



AMERICAN INSTITUTE  
OF CHEMICAL ENGINEERS

THE  
DIRECTORY OF  
CHEMICAL  
ENGINEERING  
CONSULTANTS

FIFTH EDITION

# The Directory of CHEMICAL ENGINEERING CONSULTANTS

## Fifth Edition

*Publisher*

J.C. Forman

*Editor*

Mary Pat Healy

*Editorial Assistants*

Patty Camacho

Margaret Martinez

Copyright © 1984

American Institute of Chemical Engineers

345 East 47 Street, New York, NY 10017

(212) 705-7332

All Rights Reserved

**Library of Congress Cataloging in Publication Data**

Main entry under title:

The Directory of Chemical Engineering Consultants.

1. Chemical engineers—United States—Directories.

1. Healy, Mary Pat II. Camacho, Patty III. Martinez, Margaret IV. American Institute of Chemical Engineers  
TP12.D475 1982 660.2'025'73 83-16268  
ISBN 0-8169-0322-0



**The Directory of  
CHEMICAL ENGINEERING CONSULTANTS**

**Fifth Edition**

# Foreword

The American Institute of Chemical Engineers is pleased to issue the fifth edition of *The Directory of Chemical Engineering Consultants*.

This reference directory retains the format and size of the previous edition, and is likewise comprised of three main sections: an alphabetical listing of full-time consultants, a similar section for part-time consultants and a specialties section. The latter listing has been expanded to accommodate the expanding subject areas important in the chemical engineering profession.

With the ever-increasing need for specialization in a field where new developments are continuously made, this directory can serve as a valuable aid to contacting experts on specific questions and problems as quickly as possible. Thus, it is hoped that in this way, the AIChE Directory will serve chemical engineers as a helpful reference guide.

# Contents

Full-Time Consultants .....	1
Part-Time Consultants.....	15
Specialties Section .....	18

# FULL-TIME CONSULTANTS

## STANLEY B. ADLER

4927 Glen Meadow  
Houston, TX 77096  
(713) 729-7873

### PREFERRED TITLE:

Consulting Chemical Engineer

### TYPE OF ORGANIZATION:

Individual

### LICENSE(S):

TX

### SPECIALTIES:

Data Analysis  
Physical, Chemical and  
Thermodynamic Properties  
Thermodynamics Technology

## BARNES AND CLICK, INC.

3320 Oak Grove  
Suite 100  
Dallas, TX 75204  
(214) 522-0856

### PRINCIPALS:

CHARLES E. COLLINS, President  
JACK M. WHITESIDE, Vice President  
LARRY F. GRIMM, Secretary/  
Treasurer  
W. RANDALL BLANK  
CHARLES G. GUFFEY  
EDWARD F. JUNO

### DESCRIPTION OF STAFF:

Graduate chemical engineers with extensive experience in natural gas processing and petroleum refining.

### TYPE OF ORGANIZATION:

Corporation

### LICENSE(S):

TX

### SPECIALTIES:

Appraisals  
Computers-Software

Contractor Liaison/Selection  
Economic Evaluations  
Fractionation and Distillation  
Natural Gas Processing and  
Technology  
Petroleum Technology  
Plant Design  
Plant Performance  
Process Design and Engineering  
Project Management/Development  
Testimony: Expert/Legal

## F.N. BENT, CONSULTANT

4001 Valley Green Road  
Greenville, Wilmington, DE 19807  
(302) 428-0910

### PRINCIPALS:

F.N. BENT

### DESCRIPTION OF STAFF:

Supporting staff sub-contracted.

### TYPE OF ORGANIZATION:

Individual

### SPECIALTIES:

Alternative Fuels/Feedstocks  
Economic Evaluations  
Expansion and New Processes  
Nitric Acid  
Plant Performance  
Plant Start-Ups  
Process Design and Engineering  
Production Management  
Project Management/Development  
Safety

## BERTY REACTION ENGINEERS, LTD.

310 W. Grandview Boulevard  
Erie, PA 16508  
(814) 866-0701

### ACADEMIC AFFILIATION:

Professor of Chemical Engineering,  
The University of Akron

### PRINCIPALS:

MRS. GIZELLA E. BERTY, Pres.  
DR. JOZSEF M. BERTY, P.E., Vice  
Pres.  
MR. RUSSEL D. DEAN, Associate

### DESCRIPTION OF STAFF:

Senior engineers, retired specialists, university professors, associated, independent engineers on three continents.

### TYPE OF ORGANIZATION:

Corporation

### LICENSE(S):

Fictitious name registered in PA. Professional Engineers registration in WV, NY, PA

### SPECIALTIES:

Catalysis  
Experiment Design/Analysis  
Kinetics  
Petrochemical Technology  
Pilot Plants-Bench Scale  
Process Design and Engineering  
Process Development  
Reactor Engineering  
Scale-Up  
Teaching: Seminars/Lectures

## BILES & ASSOCIATES

6161 Savoy Drive, Suite 500  
Houston, TX 77036  
(713) 789-8880

### PRINCIPALS:

WILLIAM R. BILES, President

### TYPE OF ORGANIZATION:

Corporation

### SPECIALTIES:

Computer Programming  
Computers-Simulation/Process  
Control  
Computers-Software

## **DONALD W. BOLME, P.E.**

10655 N.E. 4th Street (#406)  
Bellevue, WA 98004  
(206) 455-4130

### **PRINCIPALS:**

DONALD W. BOLME

### **DESCRIPTION OF STAFF:**

Principal full-time; associates on ad hoc basis.

### **TYPE OF ORGANIZATION:**

Individual

### **LICENSE(S):**

WA

### **SPECIALTIES:**

Air Pollution Control  
Catalysis  
Chemical Engineering  
Environmental Engineering Services  
Expansion and New Processes  
Kinetics  
Nitric Acid  
NO<sub>x</sub> Technology  
Nuclear Technology  
Process Design and Engineering

## **WILLIAM J. BRADFORD**

22 Deer Run Rd.  
Brookfield, CT 06804  
(203) 775-2076

### **PREFERRED TITLE:**

P.E.

### **TYPE OF ORGANIZATION:**

Individual

### **LICENSE(S):**

CT, RI

### **SPECIALTIES:**

Fire and Explosion Hazard Analysis  
Fire and Explosion Investigation  
Fire Protection System Layout  
Loss Prevention  
Safety

## **ROBERT BRANCH CONTRACT SERVICES, INC.**

P.O. Box 161223  
Memphis, TN 38186  
(901) 396-4026

### **PREFERRED TITLE:**

President, P.E.

### **PRINCIPALS:**

ROBERT E. BRANCH, President

### **DESCRIPTION OF STAFF:**

Myself and secretary only. 34 years in design, economic evaluation and project management, Specializing in agglomeration, size reduction, mixing, formulation, drying and solids handling.

### **TYPE OF ORGANIZATION:**

Corporation (1970)

### **LICENSE(S):**

TN

### **SPECIALTIES:**

Agglomeration  
Drying  
Economic Evaluations  
Mixing  
Pesticides  
Process Design and Engineering  
Project Management/Development  
Size Reduction  
Solids Handling  
Systems Design

## **BRESLER AND ASSOCIATES, INC.**

P.O. Box 86 Cathedral Station  
New York, NY 10025  
(212) 661-0135

### **PRINCIPALS:**

SIDNEY A. BRESLER, President

### **DESCRIPTION OF STAFF:**

Senior chemical engineers.

### **TYPE OF ORGANIZATION:**

Corporation

### **LICENSE(S):**

NY

### **SPECIALTIES:**

Ammonia-Urea  
Economic Evaluations  
Fertilizer Plant Design/Operation  
Methanol Plant Design/Operation  
Coal Conversion Technology  
Desalting  
Contractor Liaison/Selection  
Plant Design  
Process Design and Engineering  
Marketing Development/Research

## **CARLTECH ASSOCIATES, INC.**

Overlook Center, Suite 301  
5457 Twin Knolls Road  
Columbia, MD 21045  
(301) 997-5155

### **PRINCIPALS:**

J.C. UHRMACHER, P.E., President,  
Principal Engineer  
B.L. POLLACK, Vice President,  
Principal Engineer

### **DESCRIPTION OF STAFF:**

Chemical engineers experienced in production, from process development, simulation, and control through plant trouble-shooting.

### **TYPE OF ORGANIZATION:**

Corporation

### **LICENSE(S):**

MD, TX

### **SPECIALTIES:**

Biotechnology  
Expansion and New Processes  
Materials Selection  
Plant Performance  
Process Design and Engineering  
Process Development  
Quality Control  
Systems Analysis  
Technical Writing  
Technology Assessment

## **C<sub>3</sub> INTERNATIONAL, INC.**

1933 West Country Road, C2  
Roseville, MN 54113  
(612) 631-8082

### **PRINCIPALS:**

PETER S. CARTWRIGHT, P.E.,  
President

### **TYPE OF ORGANIZATION:**

Corporation

### **LICENSE(S):**

MN

### **SPECIALTIES:**

Chemical Engineering  
Desalting  
Environmental Engineering Services  
Filtration  
Membrane Technology  
Reverse Osmosis  
Separation Technology  
Wastewater Treatment Systems

Water Pollution Control  
Water Supply/Treatment

### A. BEN CLYMER, P.E.

32 Willow Dr., Suite 1B  
Ocean, NJ 07712  
(201) 493-4364

#### PREFERRED TITLE:

Consultant in Simulation

#### TYPE OF ORGANIZATION:

Individual

#### LICENSE(S):

NJ, NY, OH (all P.E.)

#### SPECIALTIES:

Computer Programming  
Computers-Simulation/Process  
Control  
Environmental Engineering Services  
Failure Analysis  
Models  
Systems Analysis  
Teaching: Seminars/Lectures  
Technical Writing  
Technology Assessment  
Water Pollution Control

### CRYOGENIC CONSULTING SERVICE, INC.

P.O. Box 215  
Westport, CT 06881  
(203) 227-3305

#### PRINCIPALS:

JOSEPH T. BERNSTEIN, Principal  
Consultant

#### TYPE OF ORGANIZATION:

Corporation

#### LICENSE(S):

CT

#### SPECIALTIES:

Cryogenics  
Gas Purification  
Gas Recovery  
Helium  
Hydrogen  
Industrial Gas Technology  
Low Temperature Gases  
Plant Design  
Plant Start-Ups  
Process Design and Engineering

### J.C. DART & ASSOCIATES

10101 Gary Rd.  
Potomac, MD 20854-4109  
(301) 299-8073

#### PRINCIPALS:

J.C. DART, Owner

#### ACADEMIC AFFILIATION:

Adjunct Professor, Catholic University  
of America

#### DESCRIPTION OF STAFF:

Outside engineering consultants as  
needed.

#### TYPE OF ORGANIZATION:

Individual

#### SPECIALTIES:

Catalysis  
Coal Conversion Technology  
Computer Programming  
Economic Evaluations  
Petrochemical Technology  
Petroleum Technology  
Plant Performance  
Process Design and Engineering  
Research and Development  
Technology Assessment

### W. KENNETH DAVIS

209 Fairhills Drive  
San Rafael, CA 94901  
(415) 453-2446

#### PREFERRED TITLE:

The Honorable

#### ACADEMIC AFFILIATION:

Professor of Engineering & Applied  
Science (Adjunct), UCLA.

#### TYPE OF ORGANIZATION:

Individual

#### LICENSE(S):

CA

#### SPECIALTIES:

Chemical Engineering  
Economic Evaluations  
Energy Technology  
Engineering and Construction  
Foreign Operations/Contacts  
Management Services Assistance  
Nuclear Technology  
Power and Steam Systems  
Synthetic Fuels  
Technology Assessment

### DELTA PROCESS MANAGEMENT, INC.

1985 Nonconnah Blvd.  
Memphis, TN 38131  
(901) 398-5151

#### PRINCIPALS:

JIM E. FOWLER, President  
GEORGE F. MATHER, Vice President

#### DESCRIPTION OF STAFF:

Process engineering with over 25  
years' experience specializing in chem-  
ical plant expansions and new pro-  
cesses. Staff experienced in plant pro-  
cess and energy studies, capital cost  
estimates, and economic evaluations.

#### TYPE OF ORGANIZATION:

Corporation

#### LICENSE(S):

AR, GA, MS, OK, TN

#### SPECIALTIES:

Chemical Engineering  
Engineering and Construction  
Environmental Engineering Services  
Expansion and New Processes  
Herbicides/Insecticides/Pesticides  
Plant Design  
Project Management/Development  
Site Selection  
Technology Assessment  
Wastewater Treatment Systems

### ETS, INC.

3140 Chaparral Drive, SW  
Suite C103  
Roanoke, VA 24018  
(703) 774-8999

#### PRINCIPALS:

JOHN D. MCKENNA, President  
GARY P. GREINER, Executive Vice  
President  
JOHN C. MYCOCK, Vice President  
DALE A. FURLONG, Vice President,  
R&D  
JOSEPH F. SZALAY

#### DESCRIPTION OF STAFF:

Air pollution control consultants, spe-  
cializing in fabric filtration, with over  
100 years' combined experience.

#### TYPE OF ORGANIZATION:

Corporation

#### LICENSE(S):

IN, OH, PA



**SPECIALTIES:**

Air Pollution Control  
Desulfurization  
Dust Collection  
Environmental Engineering Services  
Equipment Design/Analysis  
Filtration  
Pilot Plants-Bench Scale  
Plant Maintenance  
Pollution Control  
Testimony: Expert/Legal

**ROBERT T. EDMUNDS**

80 Elm Street  
Norwich, NY 13815  
(607) 334-3377

**PREFERRED TITLE:**

Chemical Process Consultant

**TYPE OF ORGANIZATION:**

Individual

**SPECIALTIES:**

Equipment Design/Analysis  
Plant Design  
Plant Performance  
Process Design and Engineering  
Process Development

**ENGINEERS,  
INCORPORATED**

50 Park Place  
Newark, NJ 07101  
(201) 624-1234

305 Bic Drive  
Milford, CT 06460  
(203) 878-3526

904 North Second Street  
Harrisburg, PA 17102  
(717) 233-4556

**PRINCIPALS:**

PETER A. CIPRIANO, P.E., President  
WILLIAM J. GATELY, P.E., Vice  
President  
SALVATORE X. MAZZUCCO, P.E.,  
Vice President  
LEON A. GEHORSAM, AIA, Vice  
President  
ERNEST T. TIERNEY, P.E., Vice  
President

**DESCRIPTION OF STAFF:**

Multi-discipline engineering and construction company.

**TYPE OF ORGANIZATION:**

Corporation

**STATE LICENSES:**

CT, DE, MA, MD, NJ, NY, PA, RI, VA

**SPECIALTIES:**

Chemical Engineering  
Civil Engineering  
Construction  
Electrical Engineering  
Engineering and Construction  
Mechanical Engineering  
Piping Design  
Plant Design  
Process Design and Engineering  
Site Selection  
Testimony: Expert/Legal

**J. FEINMAN AND  
ASSOCIATES, INC.**

2654 Sperber Lane  
Grand Junction, CO 81501  
(303) 243-5533

**PREFERRED TITLE:**

Jerome Feinman, Ph.D., P.E.

**PRINCIPALS:**

JEROME FEINMAN, President

**TYPE OF ORGANIZATION:**

Corporation

**LICENSE(S):**

CO, PA

**SPECIALTIES:**

Coal Gasification  
Economic Evaluations  
Energy Technology  
Fluidization  
Metallurgy  
Oil Shale Technology  
Pilot Plants-Bench Scale  
Process Design and Engineering  
Process Development  
Research and Development

**FRUMERMAN  
ASSOCIATES, INC.**

218 South Trenton Ave.  
Pittsburgh, PA 15221  
(412) 371-7800

**PRINCIPALS:**

ROBERT FRUMERMAN, President,  
Chief Consulting Engineer

**DESCRIPTION OF STAFF:**

Experienced chemical engineers.

**TYPE OF ORGANIZATION:**

Corporation

**LICENSE(S):**

FL, NJ, NY, PA

**SPECIALTIES:**

Chemical Engineering  
Coal Gasification  
Economic Evaluations  
Energy Technology  
Gas Purification  
Plant Design  
Pollution Control  
Process Design and Engineering  
Process Development  
Technology Assessment

**GARRETT ASSOCIATES,  
INC.**

1650 South Amphlett Boulevard  
Suite 311  
San Mateo, CA 94402  
(415) 349-2442

**PRINCIPALS:**

L.W. GARRETT, JR., President

**DESCRIPTION OF STAFF:**

Associates, chemical engineers, chemists, extractive metallurgist, process plant design engineer, project engineer and specialists as required.

**TYPE OF ORGANIZATION:**

Corporation

**LICENSE(S):**

CA, NY, PA

**SPECIALTIES:**

Chemical Engineering  
Coal Conversion Technology  
Energy Technology  
Hydrometallurgy  
Metallurgy  
Mineral Technology  
Pilot Plants-Bench Scale  
Process Development  
Project Management/Development  
Synthetic Fuels

**GEIST TECHNOLOGY AND  
ENGINEERING COMPANY**

2720 Highland Street  
Allentown, PA 18104  
(215) 434-6500

**PRINCIPALS:**

DR. JACOB M. GEIST, P.E.

**TYPE OF ORGANIZATION:**

Sole Proprietorship

**LICENSE(S):**

PA

**SPECIALTIES:**

Cryogenics  
Energy Technology  
Equipment Design/Analysis  
Fractionation and Distillation  
Heat Transfer  
Industrial Gas Technology  
Low Temperature Gases  
Natural Gas Processing and Technology  
Process Design and Engineering  
Thermodynamics Technology

**CHARLES E. GOULDING, Ph.D., P.E.**

2569 Volunteer Parkway  
Bristol, TN 37620  
(615) 968-5276

**PRINCIPALS:**

C.E. GOULDING, Consulting Engineer

**DESCRIPTION OF STAFF:**

Local engineering part-time associates as a project requires.

**TYPE OF ORGANIZATION:**

Partnership, Associates

**LICENSE(S):**

DE, KY, LA, MD, NC, NJ, OH, PA, SC, TN, VA, WV; also, Venezuela

**SPECIALTIES:**

Air Pollution Control  
Chemical Engineering  
Environmental Engineering Services  
Pollution Control  
Sanitary Engineering  
Solid Wastes/Leachates  
Waste Disposal  
Wastewater Treatment Systems  
Water Pollution Control  
Water Supply/Treatment

**JOHN W. HACKNEY**

176 C. Rossmoor Dr.  
Jamesburg, NJ 08831  
(609) 655-0885

**PREFERRED TITLE:**

Consultant for Capital Projects

**TYPE OF ORGANIZATION:**

Individual

**SPECIALTIES:**

Contractor Liaison/Selection  
Data Analysis  
Economic Evaluations  
Project Management/Development  
Statistics  
Venture Analysis

**STUART T. HADDEN**

36 Tealwood Drive  
St. Louis, MO 63141  
(314) 997-2584

**PRINCIPALS:**

DR. STUART T. HADDEN

**DESCRIPTION OF STAFF:**

BSE (ChE) & (Math), U. of Mich., MA (Math) Temple U. '51, Dr. Engr. Sc. NYU '65 R&D Engrg, Pet. Ind. 20 yrs., Chem. Ind. 7 yrs., College Instruc. 4 years., ChE, Chem. Math, etc. Consult 11 yrs. Over a dozen publications & 5 U.S. Patents.

**TYPE OF ORGANIZATION:**

Individual

**SPECIALTIES:**

Chemical Engineering  
Experiment Design/Analysis  
Literature Search  
Petroleum Technology  
Plant Design  
Process Design and Engineering  
Research and Development  
Statistics  
Thermodynamics Technology  
Vapor-Liquid Equilibria

**W. WILLIAM HARVEY**

Arlington Technical Services  
4 Old Colony Lane  
Arlington, MA 02174  
(617) 648-0348

**PRINCIPALS:**

W. WILLIAM HARVEY, Proprietor

**DESCRIPTION OF STAFF:**

Consulting and R&D in extractive metallurgy, energy and environmental technologies.

**TYPE OF ORGANIZATION:**

Individual, with access to associates, as required.

**SPECIALTIES:**

Electrochemistry  
Energy Technology  
Environmental Engineering Services

Geothermal Energy  
Hydrometallurgy  
Mineral Technology  
Plating  
Research and Development  
Technology Assessment  
Testimony: Expert/Legal

**HAZARDS RESEARCH CORPORATION**

200 East Main Street  
Rockaway, NJ 07866  
(201) 627-4560

**PRINCIPALS:**

DR. CHESTER GRELECKI,  
(President) Chief Scientist  
MR. WILLIAM J. CRUICE, Vice  
President, Associate Chief  
Scientist  
MR. STEVEN J. TUNKEL, Chief  
Chemical Engineer  
MR. GEORGE PETINO, JR., Chief  
Mechanical Engineer

**DESCRIPTION OF STAFF:**

2 Ph.D. Chem., 3 M.S. Chem., 1 M.S. P.E. Mech. Eng., 1 M.S. P.E. Chem. Eng., 1 B.S. Chem. Eng., 1 B.S. Chem., 3 Tech. Spec., 2 technicians.

**TYPE OF ORGANIZATION:**

Corporation

**LICENSE(S):**

NJ

**SPECIALTIES:**

Chemical Engineering  
Fire and Explosion Hazard Analysis  
Fire and Explosion Investigation  
Fire Protection System Layout  
Loss Prevention  
Occupational Health and Safety  
Research and Development  
Safety  
Testimony: Expert/Legal

**HELIPUMP, INC.**

8435 Brecksville Road  
Cleveland, Ohio 44141  
(216) 229-3178

**PRINCIPALS:**

ROBERT J. ADLER, Ph.D.  
COLEMAN B. BROSILOW, Ph.D.  
WILLIAM R. BROWN, Ph.D., P.E.,  
President  
NELSON C. GARDNER, Ph.D.

**DESCRIPTION OF STAFF:**

Base staff of chemical engineers with advanced degrees: electronics engi-

**Helipump, Inc. . . .**

neer; skilled machinist; additional technical personnel as required by specific projects.

**TYPE OF ORGANIZATION:**

Corporation

**LICENSE(S):**

OH

**SPECIALTIES:**

Process Development  
Economic Analysis  
Acid Gas Removal Technology  
Process Development Units  
(PDU's)-Bench Scale  
Computers-Simulation/Process  
Control  
Mixing  
Separation Technology  
Thermodynamics Technology  
Fire and Explosion Investigation  
Vapor-Liquid-Solid Equilibrium Data  
Acquisition

**HENNINGSON, DURHAM &  
RICHARDSON,  
INC. — TECHNICAL  
SERVICES DIVISION**

P.O. Box 12744  
Pensacola, FL 32575  
(904) 432-2481

**PRINCIPALS:**

RICHARD R. BELL, Division Director  
PATRICK L. BYRNE, Department  
Manager  
JIMMY D. KUMANA, Chief Process  
Engineer  
ROBERT E. NEIMAN, Director of Pulp  
& Paper Group

**DESCRIPTION OF STAFF:**

4 Chemical engrs., 6 mechanical  
engrs., 2 instrument engrs., 4 electrical  
engrs., 5 civil/structural engrs., 2 envi-  
ronmental engrs., 20 support profes-  
sionals and clerical staff.

**TYPE OF ORGANIZATION:**

Corporation

**LICENSE(S):**

Most states in the United States

**SPECIALTIES:**

Alcohols  
Alternative Fuels/Feedstocks  
Engineering and Construction  
Equipment Design/Analysis  
Fermentation Technology  
Instrumentation  
Process Design and Engineering

Pulp, Paper and Wood Chemicals  
Solid Wastes  
Wastewater Treatment Systems

**IPS ENGINEERS, INC.**

IPS Building  
3849 Plaza Tower Drive  
Baton Rouge, LA 70816  
(504) 293-5517

**PRINCIPALS:**

JOSE E. LIMA, President

**DESCRIPTION OF STAFF:**

Chemical, mechanical, electrical, envi-  
ronmental, sanitary and civil engineers  
with full engineering capabilities to  
serve the sugar, food and chemical  
process industries and the municipali-  
ties.

**TYPE OF ORGANIZATION:**

Corporation

**LICENSE(S):**

FL, LA

**SPECIALTIES:**

Alternative Fuels/Feedstocks  
Economic Evaluations  
Electrical Engineering  
Environmental Engineering Services  
Foreign Operations/Contacts  
Mineral Technology  
Power and Steam Systems  
Sanitary Engineering  
Sugar Technology  
Wastewater Treatment Systems

**JAMES CHEMICAL  
ENGINEERING, INC.**

779 North Street  
Greenwich, CT 06830  
(203) 661-1921

**PRINCIPALS:**

G. RUSSELL JAMES, President  
W. J. SHERIDAN, Vice President

**DESCRIPTION OF STAFF:**

Chemical, civil, electrical and mechani-  
cal engineers and engineering econo-  
mists.

**TYPE OF ORGANIZATION:**

Corporation

**LICENSE(S):**

Most states (by individuals)

**SPECIALTIES:**

Ammonia-Urea  
Coal Gasification  
Contractor Liaison/Selection  
Economic Evaluations  
Fertilizer Plant Design/Operation  
Marketing Development/Research  
Methanol Plant Design/Operation  
Process Design and Engineering  
Project Management/Development  
Venture Analysis

**RAPHAEL KATZEN  
ASSOCIATES  
INTERNATIONAL, INC.**

1050 Delta Avenue  
Cincinnati, OH 45208  
(513) 871-7500

**PREFERRED TITLE:**

President

**PRINCIPALS:**

RAPHAEL KATZEN, President  
JOHN R. MESSICK, Executive Vice  
President  
WALTER W. KLINE, Senior Vice  
President  
GEORGE D. MOON, JR., Vice  
President

**DESCRIPTION OF STAFF:**

7 chemical engineers, 2 mechanical  
engineers, 1 instrument/electrical engi-  
neer, 2 mechanical designers.

**TYPE OF ORGANIZATION:**

Corporation

**LICENSE(S):**

DC, DE, FL, GA, IL, KS, KY, LA, ME, NE,  
NJ, NY, OH, PA, TN, TX, WA, WI, WV

**SPECIALTIES:**

Alcohols  
Alternative Fuels/Feedstocks  
Biochemical Engineering  
Chemical Engineering  
Computers-Simulation Process  
Control  
Control Technology  
Energy Technology  
Fermentation Technology  
Pollution Control  
Process Design and Engineering

**KIMRE, INC.**

P.O. Box 570846  
Perrine, FL 33257-0846  
(305) 233-4249

**PRINCIPALS:**

GEORGE C. PEDERSEN, P.E.,  
President

**DESCRIPTION OF STAFF:**

Extensive experience in scrubber technology, gas purification, filtration.

**TYPE OF ORGANIZATION:**

Corporation

**LICENSE(S):**

FL, NY

**SPECIALTIES:**

Air Pollution Control  
Environmental Engineering Services  
Gas Purification  
Mass Transfer  
Particulate Technology  
Scrubbers

**KINETICS CONSULTING  
GROUP, LTD.**

1776 Peachtree Road, N.W.  
South Penthouse  
Atlanta, GA 30309  
(404) 892-7687

**PRINCIPALS:**

WALTER E. LOWTHIAN, P.E.  
BRIAN P. RICHARDSON, P.E.  
CHARLES H. CABAN, P.E.

**DESCRIPTION OF STAFF:**

Chemical, mechanical and control engineers.

**TYPE OF ORGANIZATION:**

Corporation

**LICENSE(S):**

AL, FL, GA, IL, IN, LA, MS, NC, SC

**SPECIALTIES:**

Chemical Engineering  
Combustion  
Economic Evaluations  
Energy Technology  
Food Technology  
Mechanical Engineering  
Pollution Control  
Process Design and Engineering  
Process Development  
Utilities

**KRUGMAN ASSOCIATES,  
INC.**

1255 Lincoln Blvd.  
Santa Monica, CA 90401  
(213) 458-1625

**PREFERRED TITLE:**

President

**PRINCIPALS:**

STANLEY L. KRUGMAN, President

**DESCRIPTION OF STAFF:**

Individual practice, augmented by experts in various fields as required.

**TYPE OF ORGANIZATION:**

Corporation

**LICENSE(S):**

CA, FL, LA, NJ

**SPECIALTIES:**

Ammonia-Urea  
Biochemical Engineering  
Economic Evaluations  
Engineering and Construction  
Foreign Operations/Contacts  
Management Services Assistance  
Process Development  
Project Management/Development  
Site Selection  
Venture Analysis

**F. KUNREUTHER  
ASSOCIATES, INC.**

1 North Broadway  
White Plains, NY 10601  
(914) 997-1631

**PRINCIPALS:**

FRED KUNREUTHER

**DESCRIPTION OF STAFF:**

Chemical engineers with broad experience in operation, design, and economics of complex refineries and petrochemical plants.

**TYPE OF ORGANIZATION:**

Corporation

**SPECIALTIES:**

Economic Evaluations  
Expansion and New Processes  
Petrochemical Technology  
Petroleum Technology  
Plant Performance  
Process Design and Engineering  
Process Development  
Technology Assessment

**LARSON INTERNATIONAL  
SERVICES, INC.**

31550 Trillium Trail  
Pepper Pike, OH 44124  
(216) 831-0830

**PRINCIPALS:**

MARVIN W. LARSON, President

**DESCRIPTION OF STAFF:**

Fifteen members consisting of chemical & mechanical engineers, chemists, technicians plus non-technical experts as needed.

**TYPE OF ORGANIZATION:**

Corporation

**STATE LICENSE(S):**

Individual in Ohio

**SPECIALTIES:**

Chemical Engineering  
Fractionation and Distillation  
Instrumentation  
Licensing  
Organic Chemicals  
Pesticides  
Polymers/Polymerization  
Process Design and Engineering  
Process Development  
Rubber/Latex Technology

**R.E. LATIMER  
ASSOCIATES,  
CONSULTING CRYOGENIC  
AND CHEMICAL  
ENGINEERS**

1161 Hillside Avenue  
Plainfield, NJ 07060  
(201) 753-4832

**PRINCIPALS:**

ROBERT E. LATIMER

**DESCRIPTION OF STAFF:**

44 years' experience in management and in design and trouble-shooting of oxygen-nitrogen-argon plants and liquefaction plants, and liquefied natural gas (LNG) base load and peakshaving plants. Patents and extensive publishing of papers on distillation of air and vapor-liquid equilibrium and deep refrigeration. Lectured in Japan for a week (full-time) in 1980.

**TYPE OF ORGANIZATION:**

Individual

**LICENSE(S):**

NJ, NY, PA

**SPECIALTIES:**

Computer Programming  
Cryogenics  
Expansion and New Processes  
Fractionation and Distillation



Industrial Gas Technology  
Low Temperature Gases  
Natural Gas Processing and  
Technology  
Process Design and Engineering  
Refrigeration  
Technology Assessment

## DAVID A. LEE

5 Riverside Drive  
New York, NY 10023  
(212) 874-7362

### PREFERRED TITLE:

Business Development Consultant

### ACADEMIC AFFILIATION:

Fairleigh Dickinson University

### SPECIALTIES:

Drying  
Energy Technology  
Expansion and New Processes  
Management Services Assistance  
Marketing Development / Research  
Materials / Chemicals Handling  
Materials Recovery  
Process Development  
Teaching: Seminars / Lectures  
Venture Analysis

## WALTER E. LOBO

497 Lost District Drive  
New Canaan, CT 06840  
(203) 966-8466

### PRINCIPALS:

WALTER E. LOBO

### DESCRIPTION OF STAFF:

Individual plus one (1) part time secretary.

### TYPE OF ORGANIZATION:

Individual

### LICENSE(S):

CT, NJ, NY, OH

### SPECIALTIES:

Chemical Engineering  
Coal Conversion Technology  
Combustion  
Fluidization  
Fluids Flow  
Furnace Design  
Heat Transfer  
Process Design and Engineering  
Process Development  
Testimony: Expert / Legal

## LUDWIG CONSULTING ENGINEERS, INC.

11741-A Market Place Ave.  
Baton Rouge, LA 70816  
(504) 292-2140

### ACADEMIC AFFILIATION:

Adjunct Professor, Louisiana State University

### PRINCIPALS:

ERNEST E. LUDWIG, President

### DESCRIPTION OF STAFF:

Chemical, mechanical and corrosion engineers.

### TYPE OF ORGANIZATION:

Corporation

### LICENSE(S):

AR, CA, LA, MS, NM, OK, TX

### SPECIALTIES:

Chemical Engineering  
Corrosion  
Fire and Explosion Investigation  
High Pressure Technology  
Loss Prevention  
Metallurgy  
Petrochemical Technology  
Plastics: Production /  
Technology / Applications  
Pollution Control  
Process Design and Engineering

## MARGILOFF & ASSOCIATES

26 Windmill Road  
Armonk, NY 10504  
(914) 273-3949

### PRINCIPALS:

IRWIN B. MARGILOFF, P.E.  
JOHN H. OXLEY, Ph.D.

### DESCRIPTION OF STAFF:

Business and technical services. Heavy emphasis in energy, polymers, fibers, large-scale fermentation, chemicals, and in both technical and commercial development. Extensive experience / contacts in Europe, Middle East, Asia.

### TYPE OF ORGANIZATION:

Associates

### LICENSE(S):

NY

### SPECIALTIES:

Energy Technology  
Fermentation Technology  
Foreign Operations / Contacts  
Inorganic Technology  
Licensing  
Management: Research and  
Development  
Marketing Development / Research  
Petrochemical Technology  
Solid Wastes  
Synthetic Fibers

## WILLIAM J. MATHEWS, P.E.

169 Circle Drive  
Millington, NJ 07946  
(201) 647-3771

### PREFERRED TITLE:

Consulting Chemical Engineer

### PRINCIPALS:

WILLIAM J. MATHEWS, P.E.

### DESCRIPTION OF STAFF:

Thirty years' experience in the chemical process industry.

### TYPE OF ORGANIZATION:

Individual

### LICENSE(S):

NJ, NY

### SPECIALTIES:

Chemical Engineering  
Contractor Liaison / Selection  
Economic Evaluations  
Equipment Design / Analysis  
Plant Design  
Plant Performance  
Plant Start-ups  
Pollution Control  
Process Design and Engineering

## JOHN F. MCANULTY

5597 Seminary Rd., Apt. 710S  
Falls Church, VA 22041  
(703) 998-7858

### PREFERRED TITLE:

Consulting Chemical Engineer

### TYPE OF ORGANIZATION:

Individual

### LICENSE(S):

PA

# **SPECIALTIES:**

Transportation  
Materials / Chemicals Handling  
Chemical Engineering  
Combustion  
Economic Evaluations  
Engineering and Construction  
Environmental Engineering Services  
Fire and Explosion Hazard Analysis  
Solid Wastes  
Teaching: Seminars / Lectures

## **RAYMOND A. MUGELE**

74 Los Altos Square  
Los Altos, CA 94022  
(415) 948-0605

### **ACADEMIC AFFILIATION:**

University of California & Stanford  
University

### **PRINCIPALS:**

RAYMOND A. MUGELE, Engineering  
Consultant

### **DESCRIPTION OF STAFF:**

Professional engineer with experience  
in process industries and computer  
applications.

### **TYPE OF ORGANIZATION:**

Individual

### **LICENSE(S):**

CA

### **SPECIALTIES:**

Computers-Simulation / Process  
Control  
Energy Technology  
Instrumentation  
Petrochemical Technology  
Pipelines  
Pollution Control  
Project Management / Development  
Statistics  
Systems Design  
Technical Writing

## **NST / ENGINEERS, INC.**

Box 2857  
Wilmington, DE 19805  
(302) 239-2700

### **PRINCIPALS:**

E.E. HACKMAN, III, Ph.D., P.E.,  
President  
E.O. HACKMAN, Vice President

### **DESCRIPTION OF STAFF:**

Engineers and scientists engaged in  
process and plant design; plant support

services; and environmental technology.

### **TYPE OF ORGANIZATION:**

Corporation

### **SPECIALTIES:**

Chemical Engineering  
Coal Conversion Technology  
Industrial Gas Technology  
Operating and Maintenance Manual  
Development  
Petrochemical Technology  
Plant Design  
Process Flowsheet Design  
Sulfonation Process and Plant  
Design  
Technical Writing  
Toxic Chemicals Destruction  
Process Design for: Air, Water and  
Solid Wastes

## **NAHANT ENGINEERING**

38 Spring Rd.  
Nahant, MA 01908  
(617) 596-2615

### **PRINCIPALS:**

MICHAEL P. MANNING, Sc.D., P.E.

### **DESCRIPTION OF STAFF:**

Individual practice with a network of  
associates for large projects.

### **TYPE OF ORGANIZATION:**

Individual

### **LICENSE(S):**

MA

### **SPECIALTIES:**

Catalysis  
Electrolyte Solution Chemistry  
Hazardous Waste Management  
Inorganic Technology  
Kinetics  
Organic Chemicals  
Process Development  
Reactor Engineering  
Solid Wastes  
Thermodynamics Technology  
Waste Disposal

## **H. SAM NESLEN**

1492 East 1200 Street  
Bountiful, UT 84010  
(801) 298-3459

### **PRINCIPALS:**

H. SAM NESLEN

### **DESCRIPTION OF STAFF:**

Sales and marketing management 30  
years. Motor transportation of chemicals 30 years.

### **TYPE OF ORGANIZATION:**

Individual

### **SPECIALTIES:**

Appraisals  
Bulk Liquid Terminals  
Economic Evaluations  
Management Services Assistance  
Marketing Development / Research  
Materials / Chemicals Handling  
Production Management  
Quality Control  
Statistics  
Transportation

## **HERMAN R. OSMERS, PH.D., CHEMICAL ENGINEERS AND POLICY ANALYSES**

Suite 105  
1835 St. Paul Street  
Rochester, NY 14621  
(716) 544-9277

### **ACADEMIC AFFILIATION:**

University of Rochester, Rochester, NY

### **PRINCIPALS:**

PAULETTE A. MANDELBAUM, Ph.D.,  
EP., Policy Analyst

### **DESCRIPTION OF STAFF:**

Computer analysts (affiliated associates), research assistants, typists  
specializing in Radio Shack software.

### **TYPE OF ORGANIZATION:**

Partnership, Associates, etc.

### **LICENSE(S):**

NY

### **SPECIALTIES:**

Chemical Engineering  
Economic Evaluations  
Plastics: Production /  
Technology / Applications  
Pollution Control  
Process Design and Engineering  
Process Development  
Separation Technology  
Teaching: Seminars / Lectures  
Technology Assessment  
Testimony: Expert / Legal

## **GORDON F. PALM & ASSOCIATES, INC.**

602 School House Road  
Lakeland, FL 33803  
(813) 646-5775

### **PRINCIPALS:**

GORDON F. PALM, Consulting  
Chemical Engineer  
R. GEORGE HARTIG, Consulting  
Chemical Engineer

### **TYPE OF ORGANIZATION:**

Corporation

### **LICENSE(S):**

FL

### **SPECIALTIES:**

Air Pollution Control  
Economic Evaluations  
Expansion and New Processes  
Fertilizer Plant Design/Operation  
Hydrofluoric Acid and Fluorine  
Process Design and Engineering  
Solid Wastes  
Sulfuric Acid Technology  
Wastewater Treatment Systems  
Water Pollution Control

## **PRADO & ASSOCIATES, INC.**

P.O. Box 17224  
Tampa, FL 33682  
(813) 961-8103

### **ACADEMIC AFFILIATION:**

Florida Institute of Technology

### **PRINCIPALS:**

DR. FAUSTINO G. PRADO, President  
FAUSTINO L. PRADO, Vice  
President  
PATRICIA BAKER, Project  
Coordinator  
H. ZAMORA, Director of Laboratory  
J.L. KRABBE, Process Engineer

### **TYPE OF ORGANIZATION:**

Corporation

### **LICENSE(S):**

CO, FL, NY

### **SPECIALTIES:**

Activated Carbon  
Economic Evaluations  
Hydrometallurgy  
Materials Selection  
Mineral Technology  
Plant Start-Ups

Process Design and Engineering  
Pulp, Paper and Wood Chemicals  
Testimony: Expert/Legal  
Wood Chemicals

## **PROCESS TECHMATICS**

1051 W. Bastanchury Rd.  
Fullerton, CA 92633-2247  
(714) 871-8691  
Telex: 68-5547 (Fullerton, CA)

4801 Woodway Drive  
Suite 300 E.  
Houston, TX 77056  
(713) 626-3530

### **PRINCIPALS:**

TIMOTHY B. CHALLAND, P.E.,  
President  
DR. YUI L. WANG  
N. FRED BRANNOCK  
DR. VINCENT S. VERNEUIL, JR.

### **DESCRIPTION OF STAFF:**

Chemical and mechanical engineers specializing in process modeling, simulation, and process design for debottlenecking, revamping and grass roots projects. Broad experience in process design, start-up and operations.

### **TYPE OF ORGANIZATION:**

Partnership, Associates, etc.

### **SPECIALTIES:**

Computers-Simulation/Process  
Control  
Computers-Software  
Control Technology  
Economic Evaluations  
Energy Technology  
Equipment Design/Analysis  
Fractionation and Distillation  
Gas Recovery  
Heat Transfer  
Natural Gas Processing and  
Technology  
Petroleum Technology  
Process Design/Evaluation  
Process Optimization  
Technology Assessment

## **PROJECT MANAGEMENT SERVICES**

81 Fawn Hill Road  
Upper Saddle River, NJ 07458  
(201) 825-8866

### **PRINCIPALS:**

E. HART RASMUSSEN, President

### **DESCRIPTION OF STAFF:**

Associate senior engineers and designers.

### **TYPE OF ORGANIZATION:**

Individual, Proprietorship

### **LICENSE(S):**

DE, NJ, NY, OH, SC, TN, TX

### **SPECIALTIES:**

Construction Management  
Contractor Liaison/Selection  
Drying  
Engineering and Construction  
Food Technology  
Management Services Assistance  
Plant Design  
Project Management/Development  
Site Selection  
Teaching: Seminars/Lectures

## **PROJECT TECHNICAL LIAISON ASSOCIATES, INC.**

4201 FM 1960 West, Suite 240  
Houston, TX 77068  
(713) 537-6368

### **PRINCIPALS:**

JAMES P. LEWIS  
SUSAN T. BLANCHARD  
LARRY E. EVANS

### **DESCRIPTION OF STAFF:**

Chemical and mechanical engineers.

### **TYPE OF ORGANIZATION:**

Corporation

### **LICENSE(S):**

TX, British Columbia

### **SPECIALTIES:**

Computers-Simulation/Process  
Control  
Cryogenics  
Desulfurization  
Fire and Explosion Hazard Analysis  
Gas Purification  
Gas Recovery  
Loss Prevention  
Natural Gas Processing and  
Technology  
Quality Control  
Safety

## **QUALITY ENGINEERING, INC.**

11 Regal Drive  
Colonia, NJ 07067  
(201) 382-8252

### **PRINCIPALS:**

PAUL W. KARDOS, President

### **TYPE OF ORGANIZATION:**

Corporation

### **LICENSE(S):**

CA, NJ

### **SPECIALTIES:**

Chemical Engineering  
Computers-Simulation/Process  
Control  
Control Technology  
Instrumentation  
Systems Design

## **REACH ASSOCIATES, INC.**

75 South Orange Avenue  
South Orange, NJ 07079  
(201) 763-2877

### **PRINCIPALS:**

MELVIN WOLKSTEIN, P.E.,  
President

### **DESCRIPTION OF STAFF:**

Chemical and environmental engineers  
and consultants.

### **TYPE OF ORGANIZATION:**

Corporation

### **LICENSE(S):**

NJ, NY

### **SPECIALTIES:**

Biotechnology  
Economic Evaluations  
Environmental Engineering Services  
Plant Design  
Pollution Control  
Process Design and Engineering  
Process Development  
Project Management/Development  
Testimony: Expert/Legal  
Wastewater Treatment Systems

## **RECON SYSTEMS, INC.**

P.O. Box 460  
Three Bridges, NJ 08887  
(201) 782-5900

### **PRINCIPALS:**

NORMAN J. WEINSTEIN, President  
RICHARD F. TORO, Vice President  
WILLIAM BERTELE, Project Manager  
ROBERT M. WOLFERTZ, Dir. of  
Environmental Services  
MARIE HWANG, Senior Engineer

### **DESCRIPTION OF STAFF:**

Chemical and mechanical engineers,  
chemists, environmental specialists.

### **TYPE OF ORGANIZATION:**

Corporation

### **LICENSE(S):**

FL, MA, NJ, NY, PA

### **SPECIALTIES:**

Activated Carbon  
Air Pollution Control  
Alternative Fuels/Feedstocks  
Dust Collection  
Environmental Engineering Services  
Industrial Hygiene/Odor Control  
Pilot Plants-Bench Scale  
Scrubbers  
Solid Wastes  
Water Pollution Control

## **REED PROCESS COMPANY**

P.O. Box 267  
Howey, FL 32737  
(904) 324-3016

### **PRINCIPALS:**

RICHARD S. REED, P.E.

### **DESCRIPTION OF STAFF:**

Principal and associated consultants.

### **TYPE OF ORGANIZATION:**

Corporation

### **LICENSE(S):**

NJ, PA, VA

### **SPECIALTIES:**

Coal Conversion Technology  
Coal Gasification  
Desulfurization  
Economic Evaluations  
Energy Technology  
Hydrofluoric Acid and Fluorine  
Methanol Plant Design/Operation  
Power and Steam Systems  
Sulfur Technology  
Synthetic Fuels

## **WILLIAM B. RETALLICK, Ph.D., P.E.**

1432 Johnny's Way  
West Chester, PA 19382  
(215) 399-1371

### **PRINCIPALS:**

WILLIAM B. RETALLICK

### **DESCRIPTION OF STAFF:**

Self.

### **TYPE OF ORGANIZATION:**

Individual

### **LICENSE(S):**

IL, PA

### **SPECIALTIES:**

Catalysis  
Coal Conversion Technology  
Combustion  
Equipment Design/Analysis  
Experiment Design/Analysis  
Literature Search  
Pilot Plants-Bench Scale  
Process Design and Engineering  
Process Development  
Technical Writing

## **JACK E. ROSS, P.E.**

140 Nassau St.  
New York, NY 10038  
(212) 233-4272

### **PREFERRED TITLE:**

Engineering and Management Consul-  
tant

### **PRINCIPALS:**

JACK E. ROSS

### **TYPE OF ORGANIZATION:**

Individual

### **STATE LICENSE(S):**

NY, PA

### **SPECIALTIES:**

Bulk Liquid Terminals  
Cryogenics  
Economic Evaluations  
Fire and Explosion Hazard Analysis  
Petroleum Technology  
Plant Performance  
Pollution Control  
Process Design and Engineering  
Site Selection  
Venture Analysis



## ROSS PROJECT SERVICES

2903 Bissonnet  
Houston, TX 77005  
(713) 664-1849

### PRINCIPALS:

WILLIAM A. ROSS, Owner

### TYPE OF ORGANIZATION:

Individual

### SPECIALTIES:

Appraisals  
Construction  
Contractor Liaison / Selection  
Economic Evaluations  
Engineering and Construction  
Management Services Assistance  
Offshore Platforms  
Petrochemical Technology  
Project Management / Development

## SACDA, ENGINEERING SCIENCE

University of Western Ontario  
London, Ontario, Canada, N6A 5B9  
(519) 679-6570

### PRINCIPALS:

C.F. SHEWCHUK, Director  
S.J. WAITE  
G.R. STEPHENSON  
E. ROUMI  
M.E. COLLINS

### DESCRIPTION OF STAFF:

Experienced in the use of process simulation in the mineral processing, pulp & paper and chemical industries.

### TYPE OF ORGANIZATION:

Institute

### SPECIALTIES:

Computer Programming  
Computers-Simulation / Process Control  
Computers-Software  
Expansion and New Processes  
Fractionation and Distillation  
Plant Design  
Power and Steam Systems  
Pulp, Paper and Wood Chemicals  
Systems Analysis  
Systems Design

## DON SATAS

99 Shenandoah Rd.  
Warwick, RI 02886  
(401) 884-9572

### PREFERRED TITLE:

Consultant

### PRINCIPALS:

DON SATAS

### TYPE OF ORGANIZATION:

Individual

### SPECIALTIES:

Adhesives  
Air Pollution Control  
Drying  
Marketing Development / Research  
Mixing  
Plastics: Production / Technology / Applications  
Polymers / Polymerization  
Testimony: Expert / Legal

## RAYMOND T. SCHNEIDER, P.E.

P.O. Box 3909  
Vero Beach, FL 32964  
(305) 231-9830

### PREFERRED TITLE:

Chemical Engineer

### PRINCIPALS:

RAYMOND T. SCHNEIDER

### TYPE OF ORGANIZATION:

Individual

### LICENSE(S):

FL, OH

### SPECIALTIES:

Computers-Simulation / Process Control  
Expansion and New Processes  
Fertilizer Plant Design / Operation  
Heat Transfer  
Hydrofluoric Acid and Fluorine  
Mass Transfer  
Mineral Technology  
Nitric Acid  
Plant Design  
Testimony: Expert / Legal

## CHARLES E. SECH ASSOCIATES, INC.

P.O. Box 848  
West Chester, OH 45069  
(513) 777-2500

### PREFERRED TITLE:

President and General Manager

### PRINCIPALS:

CHARLES E. SECH, President and General Manager

### TYPE OF ORGANIZATION:

Corporation

### LICENSE(S):

MI

### SPECIALTIES:

Air Pollution Control  
Chemical Engineering  
Coal Conversion Technology  
Fire and Explosion Hazard Analysis  
Heat Transfer  
Pollution Control  
Process Design and Engineering  
Solid Wastes  
Testimony: Expert / Legal  
Waste Disposal

## MARCUS SITTENFIELD & ASSOCIATES

230 South Broad St.  
Philadelphia, PA 19102  
(215) 735-5788

### PRINCIPALS:

MARCUS SITTENFIELD, Director  
RALPH L. HERBST, JR., Senior Associate

### TYPE OF ORGANIZATION:

Partnership, Associates

### LICENSE(S):

CA, NJ, PA

### SPECIALTIES:

Marketing Development / Research  
Latin American Markets / Business Opportunities  
Environmental and Toxic Substances Audits  
Environmental Regulation and Permit  
Process Development & Consultation  
Feasibility Studies  
Literature Search  
Hazardous Waste Management  
Technology Assessment  
Organic / Petrochemical / Polymers

## SPECIALTY ORGANICS, INC.

5263 North Fourth Street  
Irwindale, CA 91706  
(818) 962-2008