

APPENDIX B

Small Business Waste Reduction Resources

B-1.1 Wisconsin Small Business Environmental Resources Quick Reference List

Federal Hotlines

**Chemical Information: Chemical Referral Center
(Chemical Manufacturers Association)**

9 am - 6 pm EST, M-F
800/262-8200
800/424-9346

**Chemical Safety: Emergency Planning and Community
Right-to-Know Act (EPCRA)**

8:30 am - 7:30 pm EST, M-F
800/535-0202

**Groundwater/Stormwater: U.S. EPA Office of Water
Resource Center**

202/260-7786

**Ozone Depleting Chemicals: Stratospheric Ozone
(Clean Air Act -CAA)**

800/296-1996

**Pesticides: National Pesticide Telecommunications
Network**

8 am - 6 pm CST, M-F
800/858-7378

**Pollution Prevention: U.S. EPA Information
Clearinghouse**

8 am - 5:30 pm EST, M-F
703/821-4800

Small Business: U.S. EPA Ombudsman

8 am - 5 pm EST, M-F
800/368-5888

Solid & Hazardous Waste: (RCRA)

8:30 am - 7:30 pm EST, M-F
800/424-9346

**Spill Response: National Response Center (U.S. Coast
Guard)**

24 Hours
800/424-8802

Superfund (CERCLA)

8:30 am - 7:30 pm EST, M-F
800/424-9346

**Toxic Substances: Toxic Substances Control Act
(TSCA) and Asbestos**

8:30 am - 5:30 pm EST, M-F
202/554-1404

Transportation: Hazardous Materials (U.S. DOT)

9 am - 4 pm EST, M-F
202/366-4488

Underground Storage Tanks (USTs)

8:30 am - 7:30 pm EST, M-F
800/424-9346

Water: Safe Drinking Water

9 am - 5:30 pm EST, M-F
800/426-4791

Wisconsin Hotlines

Pollution Prevention: Wisconsin DNR

Bureau of Cooperative and Environmental Assistance
608/267-9700

Hazardous Waste Minimization Program

608/267-3763

*Clean Air Act (CAA) Small Business Assistance
Program*

608/267-3136

**Information Clearinghouse*

608/267-9523

Pollution Prevention: UW-Extension

Solid and Hazardous Waste Education Center

Pollution Prevention, Hazardous Waste Minimization

608/262-0385, 414/475-2845

*Recycling & Solid Waste: Markets, Operations,
Information*

608/262-0398, 715/346-2793, 414/465-2707

Safety and Health: Workplace

Dept. Of Commerce
Safety & Buildings
608/266-9467

Underground Storage Tanks (USTs, LUSTs)

Department of Commerce
Environmental Regulatory Services
608/266-9467

Spills: Hazardous Substances

Division of Emergency Government
24 hours, 800/943-0003

*Telephone numbers and points of contact for Wisconsin DNR department bureaus and district offices are listed in *Managing Your Hazardous Waste: A Guide for Wisconsin Small Quantity Generators*, a free publication available from this office.

Fact Sheet

B-2.1 Considerations in Selecting a Commercial Analytical Lab

Regulatory agencies and disposal facilities require that unusable, unknown, or waste materials be properly identified before they are disposed of. This identification is accomplished through analytical testing conducted by commercial labs. A variety of analytical tests are available. Before a commercial lab is selected, be sure to contact the appropriate regulatory agency and the disposal facility to determine what type(s) of analytical test they require.

After determining what type of test is required, other factors besides cost should be considered. For example, the length of time between submitting the sample and receiving analytical results is often of great importance. Also, the location of the laboratory may be an important factor if samples are delivered by your company.

Be Concerned about Lab Analysis and Testing Methods

Before contacting a lab, the following questions should be addressed:

- ! What analyses are required? If you are unsure what analyses are required, contact the appropriate regulatory agency or the disposal facility that will be receiving the waste, to determine what analytical testing is required.
- ! What testing methods are required? Many testing methods exist, and requesting the “wrong” testing method could result in additional sampling and analytical costs if a different test is required. This problem can be avoided by contracting with a commercial lab that provides testing evaluation services. If you are unsure about what test methods are required, contact the appropriate regulatory agency or the disposal facility that is requiring the analytical testing.
- ! Is the lab certified to perform the requested tests? If the lab does not meet regulatory agency or disposal facility certification requirements, test results may not be accepted.

Research Unknown Materials to Reduce Testing Costs

For materials or wastes that are unknown, or have no analytical history, some initial background checking may be necessary. Knowing some information about these materials may reduce analytical testing costs:

- ! What is the origin of the unknown material? (What process or drum did it come from?)
- ! How was the material used or produced?
- ! What is the age of the material?
- ! Is the Material Safety Data Sheet (MSDS) available?

Ask The Tough Questions When Evaluating Potential Labs

The analytical testing process begins before samples are collected, and ends when analytical results are received and samples are properly disposed. By considering and asking the following questions before contracting with a lab, a business can help ensure its samples are handled properly throughout the analytical process:

- ! Are the lab personnel trained and equipped to perform the requested analyses?
- ! Does the lab provide sampling containers and guidance for collecting, preserving, storing, and transporting samples properly?
- ! Does the lab have field personnel who are trained in proper collection techniques?
- ! When will the analytical results be available?
- ! What is the procedure for sample disposal by the laboratory after analysis is complete?

Important Note: All users of commercial lab services are directly responsible for insuring that any company with whom they contract for products or services complies with the requirements of state and federal law.

Fact Sheet

B-2.2 Selecting an Industrial or Environmental Consultant

Starting a waste reduction project using resources at hand makes good financial sense. However, if your project is complex, hiring an industrial or environmental consultant to supplement your internal capabilities may help you complete the job in a thorough and efficient manner. The skills and areas of expertise that consultants offer vary greatly. For this reason, selecting a consultant requires careful research, starting with an assessment of your own needs.

Assess Your Needs

Begin assessing your needs by reviewing project objectives, making sure they are specific and well defined. Determine what parts of your current operations meet these project objectives, and what parts do not. Then, develop actions or steps needed to meet your project objectives. Make certain that you document how changes — such as process or product changes, materials substitutions and disposal cost reductions — will affect business operations, profitability, and regulatory requirements.

When determining your project objectives, ask the following questions:

- ! How much of the project work can be done by your company?
- ! How much of the project work is beyond your company's capabilities and must be done by another company?
- ! What resources are available free of charge through equipment vendors and publication information sources, such as libraries and public technical assistance programs (university extension services, government agencies, trade associations, etc.)?
- ! How much money can your company devote to the project?
- ! What are the project's projected cost savings and payback period?
- ! What is the company commitment to the project? Is it willing to make changes that will affect production processes?
- ! What is the timetable for completing the project?

Understand the Consultant's Role

Once project objectives are determined, compare your situation and needs to services that consultants offer. A partial list of services generally provided by consultants includes:

- ! Expertise in certain areas.
- ! Objective assessment of your situation.
- ! Help with interpreting regulations.
- ! Temporary supplement to your staff resources and knowledge base.
- ! Technical and economic analysis of alternatives.
- ! Development of recommendations.

- ! Design and engineering support.
- ! Assistance with equipment selection and purchasing.
- ! Assistance with implementing operational changes and startup.
- ! Completion of one-time projects.
- ! Performance of annual tasks, such as facility reviews.

Although environmental consultants can provide many services to improve your company's operations and productivity, remember that you are the experts about your company. Consultants can only enhance your expertise. Do not depend on consultants to provide the following:

- ! Decision Making: You need to evaluate what will work for your business.
- ! Purchasing Specific Products: Find out if the consultant receives compensation when you buy recommended products through them. The product they recommend may not be the most cost effective.
- ! Standard Services: Generally, consultants are hired to provide customized solutions for clients.

Find the Right Consultant

After your company decides that consulting services offer the resources you need to implement your project objectives, begin the process of identifying the consultant that will best meet your needs. For example, if your project involves process changes, find a consultant that has appropriate design engineering experience. To find the right consultant, do the following:

- ! Obtain referrals: Contact local companies with similar operations, trade associations, legal counsel, regulatory and state agencies, or consultant referral services.
- ! Do your homework: Contact consultants directly to identify their expertise and their interest in your project.

Prepare for your First Meeting

Before you meet with prospective consultants, you should do the following:

- ! Prepare a report describing your project objectives and your current operations.
- ! Identify the experience that each consultant has on projects similar to yours.
- ! Obtain references from each consultant to verify the work. Checking past work performance is one of the best ways to evaluate a consultant.

When you meet with each of the consultants, be prepared to do the following:

- ! Explain how much of the project objectives your company can accomplish both with and without consultant assistance.

- ! Define what you want the consultant to do, but explain that their opinions are welcome. An outside perspective on your situation is valuable.
- ! Identify your project timeline.
- ! Find out who would be working on your project.

At the end of the meeting, request a proposal from each consultant based on the information you provided in your report and during your meeting. Be sure to provide more information when requested by the consultants. Clear communication at this stage is important to help ensure your getting the results you want.

Review the Proposals

When reviewing a proposal, make sure that it answers the following questions:

- ! Has the consultant responded to your principle needs based on your outlined objectives?
- ! What services are specific to your project?
- ! Is a project timetable included that covers both consultant time and your company's personnel time? Is the timetable reasonable?
- ! Are all fees and equipment costs clearly explained? Are billing procedures included? Are the fees reasonable?

A consultants's written proposal should also include the following:

- ! Responsibilities of your company's personnel.
- ! Responsibilities of the consultant(s).
- ! Personnel assigned to the project, including their experience levels and billing rates.
- ! References relevant to your project. (Ideally, references should be obtained prior to meeting with the consultants.)

Avoid Misunderstandings

The following are issues most frequently neglected by companies when hiring a consultant. Consider addressing these issues in your contract or letter of agreement:

- ! Use of subcontractors: Does the consultant use subcontractors and assess a commission for their services?
- ! Liabilities and insurance: Who provides the necessary insurance coverage?
- ! Licenses and certifications: Are they needed? Does the consultant have them?
- ! Additional expenses: How will unforeseen expenses be handled? Will you be contacted before these expenses are incurred?
- ! Work site and space: Will the consultant need a substantial amount of time on-site? Is there adequate space for the consultant to work while at your company?

- ! Confidentiality: Will the information that is accessible to the consultant be kept confidential? If so, a nondisclosure clause must be in the contract.
- ! Timeline: What are the project milestones? When should reports be submitted and the project completed?

Sources for Referral and More Information

Additional information about hiring environmental consultants is available from the following resources:

- ! Trade and professional business associations.
- ! Legal counsel.
- ! Other companies in your industry.
- ! County or university extension agencies.
- ! Regulatory and state government agencies.
- ! Better Business Bureau.
- ! Yellow Pages.
- ! Trade magazines and journals, such as *Pollution Engineering*.
- ! Dun's Consultants Directory provides listings of consultants by area of expertise and location. This directory is updated annually and is available in the business reference section of public libraries.

Fact Sheet

B-2.3 Understanding Waste Reduction Assessments (Non-regulatory)

The Goal

The goal of a nonregulatory waste reduction assessment by extension agency specialists is to identify opportunities for reducing or eliminating hazardous waste and emissions from small business manufacturing processes. It also aims to provide information about waste reduction technologies that will allow small quantity generators to actually reduce waste.

Solid and hazardous waste specialists perform an assessment in response to requests from companies. These requests usually indicate that a company recognizes that it is generating hazardous waste and has some motivation to reduce or totally eliminate wastes. The initial telephone contact by the company is an important opportunity for getting information about waste generation throughout its facility.

Most generators will call with a question about a specific waste generating process, and some effort may be required to get them to describe what other types of activities occur in their facility. Once a complete picture of the facility is formed, and a time arranged for the assessment, background information on the company and its manufacturing processes are compiled. Regulatory databases are searched to obtain current discharge and disposal data and companies may be asked to provide past years waste data, and descriptions of their manufacturing processes.

This information is used to develop a profile of waste generating processes. Using this profile, background research on waste reduction technologies is conducted and a preliminary packet of waste reduction information is compiled. If a company demonstrates an existing commitment to change, specialists do not normally pursue a detailed justification for waste reduction options based on cost savings or manufacturing efficiencies.

These topics are routinely addressed during the assessment, and the specialist may give direction to a company that wishes to develop such a justification. The time required for such a detailed assessment is typically beyond the scope of extension specialist services.

The Process

The on-site waste reduction assessment normally begins with a short meeting to discuss services the extension specialist can provide. The needs of the company are reviewed and prepared information is presented. The specialist then joins a company representative for a walk-through tour of the plant. This usually follows a logical flow through company operations; reviewed are production processes from either raw material to finished product, or from the waste source to discharge. During this time, other relevant aspects of the facility are examined to identify regulatory compliance problems or other waste reduction opportunities.

Questions relating to the processes are posed to company representatives and line workers with the goal of stimulating thinking about waste reduction as well as clarifying points about waste generation. The ongoing dialogue between the specialist and company representative is the essential educational opportunity during the assessment. It is usually the best time to reach the individuals responsible for implementing waste reduction and to provide them with motivation, information, and resources. Additional information may be gathered by the specialist on other company concerns. A brief exit interview follows to review any details about the assessment or to answer other questions by company staff. A typical assessment will take two to four hours, depending on the business size and the complexity of the manufacturing process.

Follow-up and Future Assessment Information

Specialists research waste reduction options about specific processes and write a report describing in detail the findings of the assessment and opportunities for implementing waste reduction. This report includes: a description of each waste and the process that generates it; opportunities for reducing the waste; sources of additional information, technology and services to support waste reduction; and a discussion of regulatory, worker health and safety issues related to the use of a new material or process. Copies of the report are submitted to the company and also kept on file with the specialist.

The specialist continues to be available to the company to answer any additional questions that arise during the implementation of the waste reduction option. Specialists can also provide long-term support to companies that must deal with complex issues, or that wish to develop in-house waste reduction programs.

These waste reduction assessments through the extension service are non-regulatory and free of charge. Interested companies can contact their county extension agents for more information.

Fact Sheet

B-2.4 Off-site Disposal of Hazardous Wastes: Choosing the Right Treatment, Disposal Facility, and Hazardous Waste Hauler

Once waste is generated, small businesses have several choices for waste management. The term “management” refers to the various handling options such as treatment, storage, recycling, or disposal. Waste may be managed on-site, where it was generated, or managed off-site using a contractor. Not only is shipping waste expensive, it can result in large fines and clean up bills if handled improperly.

Choosing a Treatment and Disposal Facility

One of the most important decisions for a small business is who to entrust its hazardous waste to. Before signing a contract with a waste treatment and disposal facility, ask the following questions:

- ! Does the facility have all necessary state and U.S. Environmental Protection Agency (EPA) permits to handle your particular waste? Does it have an EPA hazardous waste identification number?
- ! Is the facility in violation of any state or federal law (check with the state regulatory agency)?
- ! Does the facility have any current groundwater or soil contamination, and if so, what is being done to correct the situation?
- ! Does the facility test water before it is processed so incompatible wastes are not mixed together?
- ! Will they test your waste post-treatment to ensure that the treatment standards are met?
- ! How long will it take before your waste is processed? Where and how will the waste be stored in the interim?
- ! Is there good security at the site?
- ! How old is the facility and the equipment? Does it look well-maintained?
- ! Are generators in businesses similar to yours satisfied with the facility?

If the treatment and disposal facility requires a signed contract, review it with an attorney and make sure the facility agrees to notify you in the event of:

- ! Regulatory action taken against it.
- ! Legal action started against it.
- ! Change of ownership.
- ! Termination of operation.
- ! Changes in pollution liability insurance coverage.

If possible, try to visit the facility and periodically check up on the facility. This is in the small businesses best interest, since all waste generators who use treatment and disposal facilities are liable, along with the owner and operator, for any damage to the environment caused by the facility.

Choosing a Hazardous Waste Hauler

Who hauls waste from a small business to a treatment and disposal facility is equally important. Hazardous waste haulers have been known to mismanage waste. Before contracting with a hauler, do some background checking on the following information:

- ! Does the transporter have a license to transport hazardous waste in every state that must be traveled through to reach the chosen facility?
- ! Does the transporter offer special services to small quantity generators (SQGs)?
- ! Will the transporter take the waste to the chosen treatment and disposal facility?
- ! Is the transporter in compliance with all state and federal regulations? Was it ever in violation?
- ! Does the hauler serve similar businesses?
- ! How long will the delivery take?
- ! What precautions has the transporter taken to minimize spills or leaks?
- ! What spill control training do the drivers have? What spill control equipment will be on the trucks?
- ! How often will the transporter come to pick up your waste? Is there a minimum quantity?

Cooperate with other waste generators to reduce your shipping and handling costs. Many hazardous waste management facilities will not accept small quantities of waste. Organizing with others to combine waste shipments will improve the chances of finding a reputable hauler and treatment and disposal facility.

One way of reducing waste shipping costs is to set up a “milk run” with other local businesses. If several generators have their waste ready at the same time, the hauler only has to make one trip to collect the waste. The cost of pick-up is split among the generators.

Source:

Managing Your Hazardous Wastes: A Guide for Wisconsin Small Quantity Generators, 3rd ed., Wisconsin Department of Natural Resources, Bureau of Solid & Hazardous Waste Management, PUBL-SW-071 93REV (JG 60 93).

Fact Sheet

B-2.5 Materials Waste Exchange: An Effective Waste Reduction Tool for Small Businesses

A waste exchange can help businesses find a market or an end user for materials they no longer need. This exchange is a materials listing system based on the premise that one business' discards can be another business' feedstock. A low-cost method of solid waste management, waste exchange can be used effectively as a source reduction program. Waste exchanges enable businesses to use existing materials rather than virgin feedstock, conserving valuable resources and reducing landfilled wastes.

The most common type of waste exchange is actually an information exchange. Waste information exchanges do not handle the actual materials. Details about available or wanted waste and surplus materials are compiled into lists in the form of catalogs or on an electronic bulletin board service (BBS). Businesses contact one another directly to set up the actual exchange. If listings are confidential, then the waste exchange service acts as intermediary between the two parties. Some exchanges also provide information about waste management goods and services.

The Advantages

Waste exchanges are both cost effective and environmentally beneficial. The business generating the waste can avoid paying disposal costs, avoid shipping costs, and free up valuable storage space. The businesses receiving the materials use this less expensive feedstock and packaging by not having to buy new materials. Communities can extend the life of landfills, while also keeping hazardous chemicals out of waste. And, of course, the environment is improved by decreasing the use of raw materials.

Other benefits can result from using waste exchanges. Entrepreneurs can use them as a source of ideas and opportunities to start new businesses or product lines. Publicizing the use of exchanges can also help businesses improve their corporate image.

Using a Waste Exchange Service

Materials suitable for exchange include surplus equipment, unused supplies, and discontinued products. Typical materials listed in waste exchanges include:

Acids	Plastic & Rubber	Containers & Pallets
Alkalis	Textiles & Leather	Durables & Electronics
Other Inorganic Chemicals	Wood & Paper	Glass, Paint & Coatings
Solvents	Metal & Metal Sludge	Miscellaneous
Other Organic Chemicals	Lab Chemicals	
Oil & Wax	Construction Materials	

Listing Materials

It is easy to list materials with a waste exchange service. A form for listing materials is provided in most catalogs. Most exchanges allow confidential listing of materials. To list a material, the generator provides pertinent information like:

- ! Whether the material is available or needed;
- ! The type of material (acids, plastics, metals, etc.);
- ! Its physical state;
- ! The amount of material;
- ! How often the material is available or needed;
- ! How it is packaged;
- ! List any contaminants that may be present in the material;
- ! If it is a liquid, provide its chemical formula;
- ! Indicate the process that generated the material.

Responding To a Listing

Businesses interested in materials that are listed confidentially first contact the waste exchange service that published the listing. The waste exchange then gives information about the interested business to the generator of the materials. The generator has the option to contact the responding business and negotiate any exchange. If the listing provides the name and address of the generator offering the materials, the business may contact the generator directly. The generator and the business desiring the material negotiate any exchange directly with each other.

The Wisconsin Example

Several waste exchange options can be used by Wisconsin businesses. Wisconsin cooperates with the Industrial Materials Exchange Service (IMES) in Illinois which lists materials from Wisconsin businesses and shares listings with the National Materials Exchange Network (NMEN). There are also waste exchanges in Minnesota and Michigan that can be used. A service limited to businesses in eastern Wisconsin through Wisconsin Electric Power Company (WEPCO) is another option.

National Materials Exchange Network

National Materials Exchange Network (NMEN) is a cooperative effort of 36 materials exchanges across North America. NMEN offers an on-line national database of materials containing more than 5,200 listings of materials available and wanted in 17 categories. The network's BBS is operated by the Pacific Materials Exchange (PME), a nonprofit corporation based in Spokane, Washington, through a grant from the U.S. EPA.

Both PME and NMEN accept listings from any company in any state. When listing with the local exchange, materials will also be listed with NMEN. NMEN lists materials available and needed including: waste by-products; off-spec, overstock, obsolete and damaged materials; and used and virgin solid and hazardous wastes. To list with NMEN, use a computer with a modem. Any business or Industry may list materials by calling 1-800/858-6625. The help line number is 509/325-0551.

Advantages of Using the National Materials Exchange Network

Since NMEN operates as an electronic bulletin board service, it offers several advantages over other materials exchange services:

- ! No charge for the service.
- ! Access is available 24 hours a day.
- ! Listing exposure includes all of North America.
- ! All listings are current — no time lag like the period between when a catalog is printed and when it is distributed.
- ! Instant access to materials listings by modem rather than by periodic catalog.

Before you Ship Materials

Department of Transportation (DOT) and Occupational Health and Safety Administration (OSHA) rules apply when shipping and handling industrial hazardous materials. For general questions about industrial hazardous material exchanges, contact waste reduction specialists at the nearest county extension service or state regulatory agency.

Resource List

B-3.1 Wisconsin Environmental Analytical Labs

This is a partial listing of firms that providing environmental analytical services to Wisconsin companies. Small businesses requiring specific environmental analysis to meet regulations should contact several of the listed firms to obtain descriptions of their services and competitive pricing.

Automotive and Industrial Services

Eau Claire, WI 54701
715/834-9624

Bech-Hoppe Associates

Wausau, WI 54401
715/845-8000

Central Wisconsin Engineers

Rothschild, WI 54474
715/359-9400

Employee Health Assurance Group

Schofield, WI 54476
715/359-8200
800/627-8200

Environmental Systems Company

414/291-0519

Enviroscan Corporation

Rothschild, WI 54474
715/355-3221

Foth and Van Dyke

Green Bay, WI 54307
414/497-8516

Huntingdon

Wausau, WI 54402
715/845-4100

Hydrite Chemical Company

Wausau, WI 54401
715/848-1890

Laidlaw Environmental Services

Pecatonica, IL 61063
414/422-1802

National Environmental Testing

Watertown, WI 53094
414/261-1660

Northern Lake Service

Crandon, WI 54520
715/478-2777

Precision Analytical Laboratory

Milwaukee, WI 53212
414/272-6949
800/438-9186

Ramaker and Associates

Sauk City, WI 53583
608/643-4100

Safety-Kleen Envirosystems

Elgin, IL 60121
800/669-5750

Serco Laboratories

St. Paul, MN 55113
612/636-7178

Strand Associates

Madison, WI 53715
608/251-4843

Wausau Insurance Companies-Environmental Health Laboratory

Wausau, WI 54402
715/842-6810

Waste Research and Reclamation Company

Eau Claire, WI 54701
715/834-9624

Resource List

B-3.2 Wisconsin Industrial and Environmental Consultants

This is a partial listing of firms providing industrial and environmental consulting services to Wisconsin companies. Small businesses requiring specific environmental analysis to meet regulations should contact several of the listed firms to obtain descriptions of their services and competitive pricing.

Advent Environmental Services

Mequon, WI 53902
414/238-1998 (Mequon)
715/831-1530 (Eau Claire)

Ayres Associates

Eau Claire, WI 54702
715/834-3161

Badger Labs & Engineering

Appleton, WI 54915
800/776-7196

Becher-Hoppe Associates

Wausau, WI 54401
715/845-8000

Braun Intertec

New Berlin, WI 53151
414/796-8231

Camp Dresser & McKee, Inc.

Milwaukee, WI 53217
414/964-6166

Capsule Engineering

St. Paul, MN 55113
800/328-8246
612/636-2644

CH2M Hill

Milwaukee, WI 53201
414/272-2426

Central Wisconsin Engineers

Rothschild, WI 54474
715/359-9400

Delta Environmental Consultants

New Berlin, WI 53151
414/789-0254

Drake Environmental

Minoqua, WI 54548
715/358-7612

Earth Technology Corporation

Wauwatosa, WI 53222
414/466-9266

Eder Associates

Madison, WI 53717
608/836-1500

Flark Associates

Wisconsin Rapids, WI 54494
715/325-3827

Foth and Van Dyke

Green Bay, WI 54307
414/497-8516

Geraghty & Miller Inc.

Milwaukee, WI 53202
414/276-7742

Graef, Anhalt, Schloemer and Associates

Milwaukee, WI 53226
414/259-1500

HNTB Corporation

Milwaukee, WI 53224
414/359-2300

Huntingdon

Wausau, WI 54402
715/845-4100

John Robinson and Associates

Wausau, WI 54402
715/842-4655

Key Environmental Services

Cedarburg, WI 53012
414/375-4750
715/542-3502

Liesch Environmental Services

Madison, WI 53704
608/241-3010

Michaels Engineering Inc.

La Crosse, WI 54602-2377
608/785-1900

Mid-State Associates

Baraboo, WI 53913
608/356-8344

Northwest Petroleum Services

Wausau, WI 54401
715/675-2084

Omni Associates, Inc.

Appleton, WI 54914
414/739-7814

Radian Corporation

Milwaukee, WI 53214
414/643-2668

Ramaker and Associates

Sauk City, WI 53583
608/643-4100

Remedial Engineering

Wausau, WI 54401
715/675-9784

B-3.2 Wisconsin Industrial and Environmental Consultants (continued)

RMT Inc.

Madison, WI 53717
608/831-4444

Woodward-Clyde Consulting

Middleton, WI 53562
608/836-5040

**RUST Environmental and
Infrastructure**

Plover, WI 54467
715/341-8100
Sheboygan, WI 53083
414/458-8711

**Yanko Environmental
Services**

Sheboygan, WI 53081
414/459-2500

Sigma Environmental Services

Oak Creek, WI 53154
414/768-7144

Simon Hydro-Search

Brookfield, WI 53045
414/792-1282

Strand Associates

Madison, WI 53715
608/251-4843

Triad Engineering

Milwaukee, WI 53202
414/291-8840

**Twin Cities Testing
Corporation**

Wausau, WI 54402
715/845-4100

Warzyn

Madison, WI 53705
608/231-4747

Roy F. Weston

Vernon Hills, IL 60061
708/918-4000

WW Engineering & Science

Milwaukee, WI 53225
414/466-5554

Resource List

B-3.3 Wisconsin Hazardous Waste Transporters

This is a partial listing of the firms that provide hazardous waste transportation services. Companies that require specific waste transportation needs should contact several of the listed firms to obtain descriptions of their services and competitive pricing.

Alliance Transportation Services

Milwaukee, WI 53201
414/344-6400

Aptus Inc.

Lakeville, MN 55044
316/251-6380

Ashland Chemical Company

Milwaukee, WI 53208
414/258-4282

Cermatics, Inc.

Mequon, WI 53092
414/242-1037

Deluxe Disposal Service

Mosinee, WI 54455
715/693-3714

E&K Hazardous Waste Service

Sheboygan, WI 53082
414/458-6030

Envirite Corporation

Harvey, IL 60426
708/596-7040

Hy-Ho Silver

DeForest, WI 53532
608/221-1375

Hydrite Chemical Company

Cottage Grove, WI 53527
608/257-1414

Laidlaw Environmental Services

Corunna, Ontario
519/864-1021

Milwaukee Solvents & Chemical

Menomonee Falls, WI 53051
414/252-3550

N&M Transfer Company

Neenah, WI 54956
414/722-7760

National Tank Service

West Allis, WI 53214
414/257-0030

Northwest Petroleum

Brule, WI 54820
715/372-5000

Rainbow Freight Systems

Milwaukee, WI 53228
414/529-8200

Rock Oil Refining, Inc.

Stratford, WI 54484
715/687-4198

Safety-Kleen Corporation

Elgin, IL 60123
708/697-8460

Schwerman Trucking

Milwaukee, WI 53201
414/671-1600

Tank Transport, Inc.

Milwaukee, WI 53224
414/357-8380

The Metal Men, Inc.

Muskego, WI 53150
414/422-9311

Waste Research & Reclamation

Eau Claire, WI 54701
715/834-9624

Wausau Chemical Company

Wausau, WI 54401
715-842-2285

Source:

Resource List: *Hazardous Waste Transporters*, Solid and Hazardous Waste Education Center, University of Wisconsin-Extension.

Resource List

B-3.4 Wisconsin Industrial Recycling Services

This is a partial listing of the firms that provide industrial recycling services. Companies that require specific industrial recycling needs should contact several of the listed firms to obtain descriptions of their services and competitive pricing.

ABC Services, Inc.

*Empty Barrels and Drums,
Fuel Oil, Industrial Lubricants,
Solvents*
Kenosha, WI 53142
414/552-9090

Automotive and Industrial Services

*Oils and Waxes, Organic
Chemicals, Solvents*
Eau Claire, WI 54701
715/834-9624

Black Gold Environmental Corp.

*Inorganic Chemicals, Oils and
Waxes, Solvents*
Ogdensburg, WI 54962
414/244-7488

Chemical Analytics, Inc.

*Acids, Alkalis, Inorganic
Chemicals, Metals/Metal
Sludges, Oils and Waxes,
Organic Chemicals, Solvents*
Menomonee Falls, WI 53051
414/781-8804

CleanSoils, Inc.

Solid Wastes, Soil
Jefferson, WI 53549
414/674-6210

EOG Environmental, Inc.

*Empty Barrels and Drums,
Fuel Oil, Industrial Lubricants,
Solvents*
Milwaukee, WI 53223
414/353-1156

France Sales and Service

Refrigerants
Schofield, WI 54476
715/359-0091

Graphic House

Fluorescent Lamps
Wausau, WI 54401
715/842-0402

Hydrite Chemical Company

*Oils and Waxes, Organic
Chemicals, Solvents*
Wausau, WI 54401
715/848-1890

JB Industrial Sales

*Empty Barrels and Drums,
Fuel Oil, Heavy Metal Sludge,
Industrial Lubricants, Solvents*
Muskego, WI 53150
414/679-4325

Laidlaw Environmental Services

Organic Chemicals, Solvents
Pecatonica, IL 61063
414/422-1802

Liesch Environmental Services

*Acids, Alkalis, Inorganic
Chemicals, Metals/Metal
Sludges, Solvents*
Madison, WI 53704
608/241-3555

Lochrie & Associates, Inc.

*Empty Barrels and Drums,
Fuel Oil, Industrial Lubricants,
Pallets, Solvents*
Milwaukee, WI 53213
414/258-6613

Marathon Oil Company

Oils and Waxes
Marathon, WI 54448
715/443-2400

Milsolve Environmental Services

Oils and Waxes, Solvents
Butler, WI 53007
414/252-3550
800/558-8501

Recyclers Transport

*Dunnage, Empty Barrels and
Drums*
Waterford, WI 53185
414/535-4176

Recyclights

Fluorescent Lamps
Minneapolis, MN 54401
800/831-2852

Rock Oil Refining

Oils, Oil Filters
Stratford, WI 54484
715/687-4198

Safety-Kleen EnviroSystems

*Oil Filters, Oils and Waxes,
Organic Chemicals, Solvents*
Elgin, IL 60121
800/669-5750

Saint Marie Recycling

*Empty Barrels and Drums, Fuel
Oil, Pallets*
Green Lake, WI
414/294-9915

B-3.4 Wisconsin Industrial Recycling Services (continued)

Superior Environmental Services

*Metals/Metal Sludges, Plastics
and Rubber, Solvents*

Port Washington, WI 53704

414/284-9101

800/932-6216

Waste Research and Reclamation

*Fuel Oil, Industrial Lubricants,
Solvents*

Eau Claire, WI 54701

715/834-9624

Wausau Chemical Corporation

*Acids, Alkalis, Inorganic
Chemicals, Organic Chemicals,
Solvents*

Wausau, WI 54403

715/842-2285

Wausau Steel Corporation

Metals/Metal Sludges

Wausau, WI 54402

715/845-4286, ext. 234

Source:

Resource List: *Industrial Recycling*, University of Wisconsin-Extension, Solid and Hazardous Waste Education Center, October 1993.