



Mr. Krivit is the owner and principal consultant of Dan Krivit and Associates (DKA). Mr. Krivit brings 22 years of experience in the solid waste management, recycling, composting, and waste reduction disciplines to the project team. The last half of this career has been as a consultant conducting research and development projects for a wide variety of public and private clients including many new start-up recycling programs, markets and services. He has helped write numerous solid waste management and recycling plans, including two for the Metropolitan Council of the Twin Cities Metropolitan Area. He is one of the founders of the Recycling Association of Minnesota, past chair, and long-standing member of the National Recycling Coalition.

Education

Dan Krivit's educational qualifications include:

- B.A. in biology from Colorado University.
- A "mini-MBA" course from the University of St. Thomas.

Career History

In addition to his consulting business, Mr. Krivit has held a variety of private and government positions in the field of recycling and solid waste management:

- **Super Cycle, Inc.** Mr. Krivit served as Manager of Business Development for Super Cycle and Recycle Minnesota Resources. He researched a variety of business growth opportunities, including collaboration with other recycling service providers in the Twin Cities area and greater Minnesota. He also helped identify market opportunities for serving the sludge disposal needs of paper mills in Wisconsin.
- **Resource Integration Systems, Inc. (RIS).** Mr. Krivit served as a senior consultant for this recycling and composting consulting firm. As project manager, he was responsible for coordinating complex research and planning functions of multiple offices in the U.S. and Canada. He received professional training in the consulting business and served on a wide variety of projects for public and private clients.
- **Minnesota Waste Management Board (WMB).** Mr. Krivit was the team leader for the technical assistance and grants unit. He helped develop Minnesota state legislative policy to improve recycling and purchasing systems within state agencies.
- **National Recycling Coalition.** While on staff at the WMB, Mr. Krivit coordinated the Seventh National Recycling Congress for the State of Minnesota held in St. Paul in September, 1988.
- **City of Minneapolis.** Mr. Krivit was the contract coordinator for the original recycling demonstration program that grew into citywide collection service. His responsibilities included: program design, publicity, contract management and performance evaluation. He also helped implement an improved recycling program for all City Hall employees. He worked with Hennepin County to examine cooperative purchasing and marketing of recyclable materials.

Project Experience

Dan Krivit has worked on the following projects:

LDI Fibres, Inc. Served as part of technical consultant team on a statewide market development project funded by the Minnesota Office of Environmental Assistance to expand the capacity of recovered paper mills to use more residential mixed paper.

Minnesota Center for Transportation Studies / Local Road Research Board. Served as project coordinator and technical consultant for a research implementation project to develop specifications and disseminate education information about use of glass as an aggregate supplement. Lead agency is the University of Minnesota's Center for Transportation Studies Technology Transfer Program.

Cass County, Minnesota. Served as project consultant on glass to aggregate research and demonstration project for Environmental Services Department. Produced a report, *Glass Processing and Marketing Options: A Cost-Benefit Analysis* as one of several products resulting from this project.

Glass Aggregate Marketing. Served as consultant for glass aggregate processing and marketing for Super Cycle, Inc., a multi-material recycler in St. Paul, Minnesota

Plastics Research and Marketing. Served as Manager of Business Development for Super Cycle and Recycle Minnesota Resources, including assistance in researching plastics markets, processing and collections.

Analysis of Polystyrene Recycling Processing Costs. Assisted Super Cycle with analysis of polystyrene markets and operating costs to help determine feasibility of expanding processing and reducing handling costs.

Plastics Recycling Pilot Program, Hennepin County, Minnesota. Served as technical project manager for the Council for Solid Waste Solutions plastics pilot program to demonstrate the feasibility of curbside recycling of a wide variety of plastic containers. Responsibilities included: program design, contract management, public education, performance monitoring, and market development. Completed several related studies including characterization of plastics and equipment surveys for processing plastic containers.

Twin Cities Polystyrene Recycling Program. Served as the local project coordinator for the Polystyrene Packaging Council to develop and expand collection and processing systems for all types of polystyrene. Provided technical and public relations support to the regional coalition of businesses directing this project.

Target Stores. Served as a technical and marketing consultant for a plastic film recycling feasibility study as a subcontractor with EcoSource.

Como Park District 10 Community Council / City of St. Paul. Served as coordinator for Como Park infiltration garden project intended to demonstrate alternative, "up stream" storm water treatment alternatives. Major public education element to be designed and implemented by District 10 Committee under Mr. Krivit's direction. Developed two successful grant applications and coordinated securing commitments from multiple partners.

Ramsey County, Minnesota. Served as project consultant on glass-to-aggregate research and demonstration project for Public Works Department.

Downing Urban Environmental Learning Center, Minneapolis Public Schools. Served as project consultant for state-funded waste reduction project to prevent unwanted mail and lunchroom waste.

Minnesota Food Bank Network. Served as expert waste management consultant to assist MFBN with its state-funded grant project to expand waste reduction through reuse of quality food back for human consumption.

Solid Waste and Recyclables Collection Efficiency Study for The City of Duluth. Provided independent analyses of current and alternative collection systems for the City of Duluth, Minnesota including review and recommendations concerning rate setting process. A key element included consensus building workshop with the Duluth City Council.

Dunn County Wisconsin -- Recycling and Waste Reduction Directory. Compiled and edited a comprehensive directory of waste reduction and recycling services provided within the County including public and private operations.

North American Recycling Communications -- A Study for Eco-Emballages. Served as a member of a three-firm consulting team to identify and assemble outstanding communication materials and campaigns from all over North America to assist Eco-Emballages in meeting its recycling development objectives in France.

Minnesota Compost Facility Operators' Forum. Produces a one-day seminar on December 16, 1992 for operators of solid waste compost plants. Prepared information and videos for each of the eight facilities in the state. Funded through a Waste Education grant from the Minnesota Office of Waste Management.

Analysis of Bakery Waste Recovery Options. Provided consulting services to McGlynn's Bakery of Grand Metropolitan Foodservice company to help decide long-term handling and recovery systems of bakery waste.

Analysis of Proposed National Food Waste Composting Program. Served as a member of three person consulting team to assess current and long-range potential for composting of food waste for KFC. Examined relevant existing operations and analyzed state regulations.

Yard Waste Composting Operations. Provided technical, strategic and government relations services to Empire Organic Greenhouse.

City of Minneapolis, Minnesota. Coordinator for the original recycling demonstration program that grew into city-wide collection service. Responsibilities included: program design, publicity, contract management and performance evaluation. Also helped implement an improved recycling program for all City Hall employees. Worked with Hennepin County to examine cooperative purchasing and marketing of recyclable materials.

National Recycling Coalition, Washington, D.C. Coordinated the Seventh National Recycling Congress for the State of Minnesota held in St. Paul in September, 1988. Also, coordinated evaluation of proposals for the 1993 and 1994 National Recycling Congresses for the National Recycling Coalition.

Minnesota Waste Management Board, St. Paul, Minnesota. Team leader for the technical assistance and grants unit. Helped develop Minnesota state legislative policy to improve recycling and purchasing systems within state agencies. Evaluated State of Minnesota's Department of Administration's resource recovery program.

Lake of the Woods County, Minnesota. Designed a study to measure environmental and worker health/safety impacts for a mixed solid waste composting facility.

Ramsey and Washington Counties, Minnesota. Evaluated the technical, economic, environmental and institutional barriers and opportunities to expand operations of an existing refuse-derived-fuel plant to include a solid waste composting element.

Manitowoc County, Wisconsin. Developing a county-wide recycling plan that will guide the municipalities and County through future expansions of services, programs and materials recycling facilities. Utilized a community-based, interactive process for assuring that local needs and values shape the plan.

Southeast Iowa Regional Planning Commission, Burlington, Iowa. Developed a comprehensive solid waste management plan for a group of counties in Southeast Iowa and a neighboring county in Illinois. Included analysis of relative economic and environmental impacts of five integrated waste management technologies: waste reduction; recycling; yard waste composting; mixed waste composting; refuse-derived fuel; and landfilling.

Speaking Engagements

18th National Recycling Congress & Exposition, Cincinnati, Ohio. "Alternative Glass Markets in Minnesota: Case Studies and Market Development Projects". September 29, 1999.

18th National Recycling Congress & Exposition, Cincinnati, Ohio. "Expanding Market Demand for Residential Mixed Paper in Minnesota". September 28, 1999.

Multiple "glass-to-aggregate" recycling workshops in conjunction with the Minnesota Office of Environmental Assistance to provide training and information to local officials. 1997 through 1999.

Expanding Market Demand for Residential Mixed Paper, project kick-off workshop with recycling mill representatives. June 29, 1998.

Recycling Association of Minnesota, Annual Conference and Show, St. Paul, Minnesota. "Recyclables Processing Contracts". November 5, 1998.

University of Minnesota, Center for Transportation Studies, Ninth Annual Transportation Research Conference, Minneapolis, Minnesota. "Recycling Mixed Glass in Road Construction". May 19, 1998.

Minnesota Pollution Control Agency, Annual Solid Waste Seminar, Bloomington, Minnesota. "Options for Recycling Glass into Aggregate". February, 26, 1998.

Minnesota Environmental Health Association, Annual Conference, Brainerd, Minnesota. "Recycling Markets: Trends and Implications". May 9, 1997.

23rd Annual BioCycle National Conference on Composting and Recycling, Minneapolis, Minnesota. "Future Trends in Recycling and Composting: Solid Waste Composting Realities". May 13, 1993.

Nebraska State Recycling Association Annual Conference, Omaha, Nebraska. "The Controversy of Source Separated vs. Mixed MSW Composting". October 14, 1992.

11th National Recycling Congress & Exposition, Boston, Massachusetts. "Expanding Collection Programs: Adding Plastics to Your Curbside Program". September 17, 1992.

Northwest Waste Information Expo '91, Seattle, Washington. "Plastics Recycling: How It Works". November 13, 1991.

1991 West Virginia Conference on the Environment, Charleston, West Virginia. "Packaging and

Marketing Related to Recycling". October 3, 1991.

13th Meeting Industrial Advisory Council and Seminar VI, New Brunswick, New Jersey.
"Minneapolis Pilot Plastics Collection Project". September 25, 1991.

South Dakota Solid Waste Management Conference, Pierre, South Dakota. "Plastics Markets: An Overview". September 20, 1991.

World Recycling Conference & Exposition, Rosemount, Illinois. "Overall Market Outlook: Expanding Recycling Plastic Markets". June, 1991.

8th Annual Minnesota Solid Waste Seminar, Bloomington, Minnesota. "Plastic Market Development Initiatives From the Private Sector". February, 1991.

20th Annual BioCycle National Conference: Composting and Recycling, Minneapolis, Minnesota.
"Recycling Plastics: New Commercial Systems; Industry Developments; State Strategies". May, 1990.

18th Annual BioCycle National Conference, Philadelphia, Pennsylvania. "Minnesota Recycling Policy Initiatives: Goals and Reality". April, 1998.

6th Annual National Recycling Congress, Austin, Texas. October, 1987.

1987 North American Recycling Conference, Chicago, Illinois. "Minnesota Recycling: Case Studies of Sheltered Workshop Programs".