

# 2000 MI-GPP Progress Report

FOSTERING POLLUTION PREVENTION IN THE PRINTING INDUSTRY



## MICHIGAN GREAT PRINTERS PROJECT

**Making Pollution Prevention  
Standard Practice in the Printing Industry**



Michigan Department of Environmental Quality  
Environmental Assistance Division



John Engler, Governor  
Russell J. Harding, Director  
[www.deq.state.mi.us](http://www.deq.state.mi.us)  
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## Michigan Great Printers Project Overview

The Michigan Great Printers Project (MI-GPP) began as a pilot project originating from the Regional Great Printers Project. This was a Great Lakes initiative spearheaded by the Environmental Defense Fund, Printing Industries of America, and the Council of Great Lakes Governors to make pollution prevention (P2) a standard business practice in the printing industry. Participating states were Illinois, Michigan, Minnesota, and Wisconsin. Four years later, the MI-GPP is an independent program, managed by the Michigan Department of Environmental Quality (MDEQ), Environmental Assistance Division (EAD), that addresses the full life cycle of the printing industry including buyers of printed material, suppliers to printers, and the printers themselves. A steering committee, consisting of stakeholders, provides guidance on printers' needs and recommends project activities. The MI-GPP works to support Great Printers by providing technical assistance and promoting the implementation of pollution prevention. The adoption of pollution prevention practices demonstrates a commitment of the printer to environmental stewardship and good business management practices. Through pollution prevention, printers are able to reduce production costs through more efficient use of raw material, thus generating less waste and the need for disposal.

To become a Great Printer, a business must pledge to:

- › *comply with current environmental regulations;*
- › *establish a written environmental policy for their business;*
- › *implement three pollution prevention goals biennially;*
- › *report on goal accomplishments;*
- › *participate in technology transfer by sharing experiences and successes with other Great Printers.*

The EAD provides support to the program by working to increase membership, tracking and sharing information on pollution prevention goals, and providing technical assistance to printers. Members are invited to participate in other EAD incentive programs, such as the Small Business Pollution Prevention Loan Program that provides low-interest loans; and the Retired Engineer Technical Assistance Program (RETAP) that provides free, confidential pollution prevention assessments to printers. The EAD offers an additional incentive by recruiting buyers who have pledged to purchase exclusively from Great Printers.

### Pollution Prevention for Printers

The program focuses on the pollution prevention hierarchy that advocates source reduction as a preferred method of reducing waste followed by environmentally sound material reuse and recycling. The primary objective of P2 is to reduce the amount of waste before it is generated. Below are examples of pollution prevention achieved in the printing industry through source reduction, reuse, and recycling.

#### › Source Reduction

Conversion to direct-to-plate (DTP) technology is a prime example of source reduction. This technology exposes digital page data onto an offset lithographic plate using a computer controlled imaging system. DTP enables the printer to bypass the filmmaking process by producing a plate using a computer controlled imaging system. Direct-to-plate not only increases work flow but also eliminates the use of film and silver discharge. Cost savings are achieved by not having to purchase silver recovery equipment, film, and through scrap film silver recovery costs.

Other examples of source reduction include eliminating isopropyl alcohol from the dampening systems of all presses and using low-volatile, organic chemical solvents for blanket washes.

### ›*Material Reuse*

Waste or unused inks can be sent to an off-site reprocessor, or a company can install an on-site reprocessing system to handle large quantities of used inks. An on-site reprocessor combines used ink and virgin ink to create a new product. The new product is used in the printing press.

### ›*Recycling*

Implementing a facility-wide recycling system is a very effective way of reducing the need to dispose of or send materials to a landfill. Materials that can be readily recycled are paper, plastic (including strapping from web press bundles), jugs, wooden pallets, and stretch and shrink wrap.

## Project in Review

### Great Printers

One hundred and thirty-six Great Printers have been registered since the MI-GPP began in September 1996. Great Printers are located across Michigan, and many are small operations. Approximately 75% have a work force of less than 50 employees, and 53% have a work force of less than 20 employees. A list of participants in the program is provided in Appendix A. Over the years, the program has grown steadily. Recently, however, there has been an increased interest in the program as more companies, institutions, organizations, and individuals include environmental considerations in choosing vendors and prefer Great Printers to prepare their material. Great Printers are entitled to bear the “Printed by a Great Printer” logo at their place of business and on printed materials. It is hoped this added marketing benefit will continue to serve as an incentive for becoming a member in the MI-GPP and improving environmental stewardship.



### Great Print Buyers

To capitalize on the market incentives of this program, the MI-GPP has undertaken efforts to recruit Great Print Buyers. To be considered a Great Print Buyer, an organization must commit verbally or in writing to purchase all printed material from a Great Printer, whenever possible. Becoming a Great Print Buyer is as easy as signing a certification containing the language below:

*(Business Name) supports the goals of the MI-GPP, which seeks to foster pollution prevention (P2) within the printing industry. P2 is based on the simple yet powerful idea that it makes more sense to eliminate or reduce the generation of waste than to develop costly and complex treatment and disposal techniques once it has been generated. Further, we commit to supporting registered Great Printers whenever possible and encouraging other individuals and organizations to do the same.*

Currently there are 14 Great Print Buyers in the program who have submitted a signed statement of intent (see Appendix B). Six additional organizations have committed verbally to the program. Significantly increasing the number of Buyers is a goal for the project over the next several years.

### Program Accomplishments

The MI-GPP has had a number of accomplishments since the last report. They include:

- › increased Great Printer membership by approximately 25%;
- › published the Mitchell Graphics Inc. case study, “Digital Pre-Press Reduces Waste”;
- › drafted the State of Michigan Print and Graphics Services case study, “Preventing Pollution: A Conversion to Computer-to-Plate”;
- › drafted a small printer case study, “Cost Savings for a Small Printer: Target Information Management Implements Pollution Prevention Opportunities”;

- › promoted the Small Business Pollution Prevention Loan Program;
- › visited several print shops to disseminate information and discuss P2 options;
- › developed and disseminated publications to market MI-GPP to prospective printers;
- › provided technical information to registered Great Printers;
- › updated the MI-GPP registration brochure;
- › provided outreach to Michigan printers through RETAP; seven printers have participated in free, confidential, non-regulatory pollution prevention assessments since March 1998.

#### **MI-GPP Survey: Program Satisfaction**

As part of the MI-GPP goal results/membership renewal process, Great Printers were surveyed to obtain feedback on whether the program has met their needs. The results, based on responses from 40 printers, are listed below. In response to the survey –

- › Forty-eight percent of respondents indicated they had a written policy. Subsequently, all printers were mailed sample environmental policies.
- › Thirty-five percent of respondents have performed a P2 assessment or had a RETAP pollution prevention assessment at their shop.
- › Forty percent expressed an interest in receiving more information on DEQ's Small Business P2 Loan Program.
- › Seventy-eight percent responded that they had realized a direct benefit from participation in the MI-GPP.
- › Ninety-eight percent responded that MI-GPP publications were useful in understanding and implementing pollution prevention opportunities in the printing industry.

- › Forty percent of respondents indicated they would NOT have implemented P2 opportunities had they not joined MI-GPP.
- › Twenty-two percent indicated they needed assistance managing waste inks.
- › Eighty percent of respondents expressed an interest in attending an MI-GPP workshop on P2.
- › Potential workshop topics respondents were interested in:
  - 62% – panel of printers who have successfully implemented P2 opportunities;
  - 69% – ink recycling/waste ink management;
  - 53% – solvent recovery from shop wipes;
  - 25% – were interested in other topics.
- › Only 22% were aware of the services of the Printers National Environmental Assistance Center (PNEAC) as a source of FREE technical assistance for printers. (Information on PNEAC is available on their website, [www.pneac.org](http://www.pneac.org), or at 800-877-6322.)

### **Goal Selection & Implementation**

#### **1999-2000 Pollution Prevention Goals Selected**

Each Great Printer has committed to three pollution prevention goals to be reported biennially. The reports are provided in a three-page renewal form, "P2 Accomplishments Review," along with their membership renewal requests and goals for the next two years. Of the 140 Michigan Great Printers registered, 130 registrations were up for renewal. Of those, only 40 submitted a summary of their achievements in the past two years (1999 and 2000) and established new goals.

Personalized contact has been found to be an effective means of maintaining shop interest in the program. As a consequence, individual calls have been made to the remaining printers to assist them in selecting goals and to survey their program interests and needs.

Printers are assisted with their goal choices by selecting from a list of goal options in a brochure entitled, *"Pollution Prevention Checklist and Strategies."* The Checklist contains a list of over 100 goals, three of which the printer is required to select. Goals have been divided into three categories: pre-press, press, and general practices. The table below lists the types of goals that printers identified in 1998 for implementation in 1999 and 2000. The goals are separated by the corresponding production area. Also included is the number of printers who signed onto that specific goal.

## 1999 – 2000 SELECTED GOALS

<u>GOAL</u>	<u>PARTICIPATING PRINTERS</u>	<u>GOAL</u>	<u>PARTICIPATING PRINTERS</u>
<b>Pre-Press</b>		<b>Press</b>	
› Recycle plates -----	18	› Increase use of low VOC inks -----	32
› Implement silver recovery -----	17	› Recycle paper -----	43
› Recycle film -----	6	› Use low VOC products -----	15
› Convert to direct-to-plate technology -----	3	› Reduce IPA use -----	13
› Use two-sided plates -----	3	› Recycle ink containers -----	10
› Recycle water in film processors -----	3	› Recycle press blankets -----	8
› Recycle fixer -----	2	› Reduce paper use -----	8
› Evaluate using aqueous plates -----	2	› Reuse paper -----	8
› Reduce developer use -----	1	› Send shop towels to laundry -----	18
› Eliminate plates -----	1	› Reuse inks -----	5
› Use less film -----	1	› Reduce solvent use -----	5
› Eliminate hydroquinone in developer -----	1	› Reduce ink waste -----	6
› Use solid chemistry for photoprocessing -----	1	› Reduce fountain solution use -----	3
<b>Subtotal -----</b>	<b>59</b>	› Eliminate press having a large waste stream -	2
		<b>Subtotal -----</b>	<b>176</b>
<b>General</b>			
› Train employees on P2 -----	21	› Reduce use of aerosol cans -----	3
› Increase shop energy efficiency -----	21	› Reuse oil bailers -----	2
› Implement inventory management -----	14	› Purchase paper with recycled content -----	2
› Implement a comprehensive shop-recycling program -----	10	› Participate in a RETAP assessment/waste audit -----	2
› Make bulk purchases -----	9	› Work with buyers on using environmental printing practices -----	1
› Install air filters -----	4	› Recycle CD-ROMs -----	1
› Designate a P2 person or team -----	6	› Achieve small quantity generator status in 1999 -----	1
› Improve housekeeping -----	7	› Recycle packing material -----	1
› Separate waste streams -----	5	› Remove underground storage tanks -----	1
› Use environmentally safe materials -----	4	› Recycle batteries -----	1
		<b>Subtotal -----</b>	<b>116</b>

### Results of Individual Printers' Goals

The following is a summary of various Michigan Great Printers' P2 accomplishments as outlined in their biennial reports.

- ▶ Several printers have been able to eliminate isopropyl alcohol. This has been accomplished by using alternative fountain solutions or by changing the water system on the printing presses. The new systems need very little water and, therefore, require no alcohol replacement. The investment cost is \$3,000-4,000; however, the modification increases production and eliminates water use.
- ▶ Direct-to-plate technology was installed at one print shop. Plates were produced for the shop's web text and Heidelberg sheet-fed text presses, resulting in 90% of their new text page output using this technology and eliminating film-processing units.
- ▶ Another printer upgraded its silver recovery units. This has enabled the printer to reduce silver discharge concentrations to less than 0.21 mg/l.
- ▶ Ten printers reported they have totally eliminated alcohol in their pressroom.
- ▶ More printers are using ink management techniques such as the use of anti-skinning sprays and less ink fountain fills.
- ▶ Many printers use recirculation chillers on major presses to minimize evaporation; computer controls are used to minimize set-up and run spoilage.
- ▶ Many printers have converted to using soy or vegetable-based inks. Some printers have changed to water miscible blanket washes to reduce the volume of solvent used.
- ▶ A printer converted wholly from resin-based glues to waterbased glues that biodegrade.

- ▶ At one company, the Paper Products Prepress Department has been participating in a recycling program for the plate process developer, thus reducing waste disposal. The recycled developer was processed to recover the main ingredient, which was used in a blending facility to make a new product. It is estimated that 60-70% of the developer is reused. The empty plastic containers were decontaminated and ground up for recycling.
- ▶ One printer now uses very low VOC UV curable inks and coatings for making product cartons and pressure sensitive labels. The new flexo-UV Narrow Web Technology has allowed them to produce high quality carts and labels while emitting very small amounts of VOC from the process. The VOC content for these materials ranges from 1% to 10% by weight.

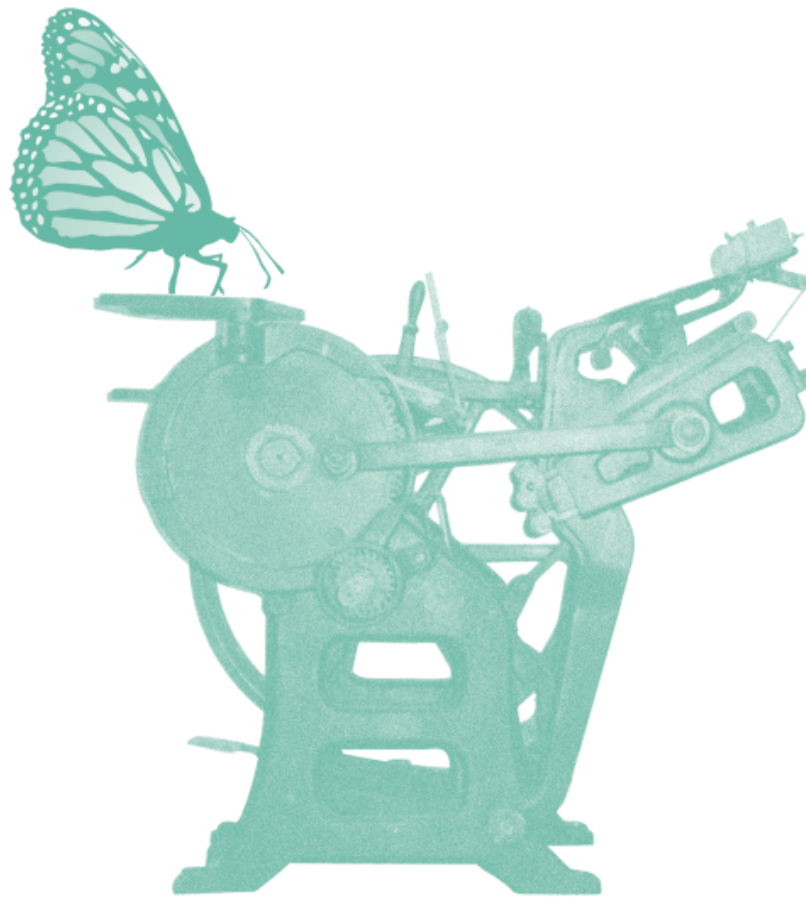
### MI-GPP: Future Outlook

The MI-GPP Steering Committee determined that once registration reached 100 Great Printers, the project should focus on providing technical assistance and marketing outreach to members. As a consequence, since 1999 technical information on pollution prevention issues has been distributed to Great Printers on a regular basis. Over 15 separate mailings have been sent to each printer. Efforts are also focused on individual outreach. Twelve site visits were made to Great Printers in 2000. This has resulted in obtaining a better understanding of the industry and printing operations, viewing pollution prevention activities that had been implemented, and identifying areas where printers needed assistance. Two case studies have also emerged from visits to the State of Michigan, Department of Management and Budget, Print and Graphic Services; and A&E Printers and Mailers.

The MI-GPP will continue to provide technical assistance to its members. The printers' survey highlighted that 80% of the respondents were interested in attending a technical workshop. EAD is considering hosting such a workshop that would include presentations from printers who have successfully implemented pollution prevention at their facilities.

The EAD is also in the process of creating an e-mail database of Great Printers. Currently, all communications are sent to printers via U.S. mail. However, an e-mail system would enable notices and information to be sent out in a more timely manner.

Another objective is to increase the number of Print Buyers committed to Great Printers. The program will be targeting large institutions, such as universities and advertising agencies, as Print Buyers. The Buyers program provides important marketing and economic incentives for Great Printers and Great Print Buyers. Both members benefit from the public recognition of being environmental stewards. All of these efforts promote pollution prevention.



## Appendices

### Appendix A: List of Michigan Great Printers and Their Partners

The following is a list, by county, of current Michigan Great Printers and their Partners, including a contact person at the Great Printer's shop, the city where the Great Printer is located, and a telephone number to contact the Great Printer with any questions.

Organization Name	Contact Name	City	Phone Number
<i><b>Allegan County</b></i>			
Flashes Publishers	Mr. Jerry Raab	Allegan	(616) 673-2141
Holland Sentinel, The	Mr. Mike Mummert	Holland	(616) 392-3020
Litho-Tech Printing	Ms. Hank Altschul	Holland	(616) 396-4259
Print Haus, Inc., The	Mr. Bill Maclean	Holland	(616) 786-4030
<i><b>Barry County</b></i>			
Progressive Graphics	Mr. Doug Acker	Hastings	(616) 945-9249
<i><b>Bay County</b></i>			
The F.P. Horak Co.	Mr. Steve Rouse	Bay City	(517) 892-6505
<i><b>Berrien County</b></i>			
Craft Press Printing	Mr. Jim Dahlgren	Niles	(616) 683-9694
IPC Communication Svcs.	Mr. Jim Button	St. Joseph	(616) 428-5130
<i><b>Branch County</b></i>			
Eagle Printing	Mr. Dave Hobson	Coldwater	(517) 279-7948
Graphics 3, Inc.	Mr. Larry Iveson	Coldwater	(517) 278-2159
<i><b>Calhoun County</b></i>			
Lawson Printers, Inc.	Mr. Dennis Rankin	Battle Creek	(616) 965-0525
Standard Printing & Office Supply	Mr. Chris Mead	Marshall	(616) 781-8201
<i><b>Charlevoix County</b></i>			
Seeley's Printing Service	Mr. Edward Sumner	Charlevoix	(616) 547-2391
<i><b>Clinton County</b></i>			
Jet Speed Printing Company	Mr. James Pratl	St. Johns	(517) 224-6475
The John Henry Company	Mr. Michael Dodson	Lansing	(517) 323-9000
<i><b>Dickinson County</b></i>			
North Star Print Group	Mr. Chuck Yedinak	Norway	(906) 563-9261

Organization Name	Contact Name	City	Phone Number
<i><u>Eaton County</u></i>			
McGrath-DeFoe Printing	Mr. Steve Willard	Charlotte	(517) 543-1250
Millbrook Printing	Mr. Travis Millbrook	Grand Ledge	(517) 627-4078
<i><u>Emmett County</u></i>			
Mitchell Graphics	Mr. Rich Dietrich	Petoskey	(616) 347-4635
Petoskey News Review	Mr. John Schaller	Petoskey	(616) 347-2544
<i><u>Genesee County</u></i>			
Jiffy Prints	Mr. Tom Jones	Flint	(810) 744-2950
<i><u>Houghton County</u></i>			
Book Concern Printers	Mr. Jack Eberhard	Hancock	(906) 482-1250
<i><u>Ingham County</u></i>			
A & E Printers	Mr. Larry Dobias	Lansing	(517) 484-2535
ASAP Printing	Mr. Joe Beaudrie	Lansing	(517) 349-7300
Allegra Print & Imaging	Mr. Brad Naghtin	Lansing	(517) 394-2995
Arrow Swift	Ms. Liz Hogg	Mason	(517) 676-6188
BRD Printing Inc.	Mr. Donald Hough	Lansing	(517) 372-0268
CPI Graphics	Mr. Steve Pierce	Lansing	(517) 321-0740
Classic Printing, Inc.	Mr. Vito Cicinelli	Holt	(517) 699-2174
Delta Printing Company, Inc.	Mr. David Campbell	Lansing	(517) 484-7761
Gardner Printing	Mr. Jerald Squires	Lansing	(517) 482-1512
Inco Graphics	Ms. Carol Dockter	Mason	(517) 676-5188
Ingham County Printing Office	Mr. Tom Clinton	Mason	(517) 676-7308
Job Shop Ink, Inc.	Mr. Scott McCulloch	Lansing	(517) 372-3900
Keystone Printing, Inc.	Mr. Fred Dubendorf	Lansing	(517) 887-2922
Kinko's	Mr. William A. Hall	East Lansing	(517) 332-5855
Kinko's	Mr. Russ Ellis	Lansing	(517) 886-2223
Kinko's of Lansing	Mr. Eric Schuchaskie	Lansing	(517) 394-1410
Kinko's of Okemos	Mr. Travis Schoemake	Okemos	(517) 347-8656
Lansing Printing Company	Mr. Jeff Donahue	Lansing	(517) 485-5700
Logan Brothers	Mr. Robert Hatcher	Lansing	(517) 485-3771
Mason Graphics	Ms. Neva Austin	Mason	(517) 676-5313
MI Education Data Network Association	Mr. Robert Troub	East Lansing	(800) 292-1934
Myers Print King	Mr. Robert Pancost	Lansing	(517) 485-4333
Paper Image Printing Center	Ms. Cindy Heister	Lansing	(517) 371-2610
Print & Graphic Services -DMB	Mr. Mark Armbrustmacher	Lansing	(517) 322-1889
Spartan Printing	Mr. Jim Pierman	Lansing	(517) 372-6910
Sterling Press	Ms. Diane Waters	Lansing	(517) 886-9044
Target Information Management	Mr. John H. Harris	Okemos	(517) 337-1211

Organization Name	Contact Name	City	Phone Number
<i><b>Jackson County</b></i>			
Champion Printing and Advertising	Mr. Mike Shutler	Jackson	(517) 783-9048
Colonial Press, Inc.	Mr. Lee Gillett	Jackson	(517) 782-2737
Townley Studio	Mr. Bart Hawley	Jackson	(517) 783-6036
Wood Press Company	Mr. Jack Woodard	Jackson	(517) 789-8177
<i><b>Kalamazoo County</b></i>			
Allegra Print & Imaging	Mr. Bill Kaufman	Portage	(616) 324-0040
Alphagraphics	Ms. Leslie Jessalunas	Kalamazoo	(616) 343-0300
Amerikal, Inc.	Mr. John O'Keefe	Kalamazoo	(616) 349-9103
Bryant Printing	Mr. Jason Bryant	Kalamazoo	(616) 345-1148
Business Cards Plus	Mr. Mike Spontelli	Portage	(616) 327-7727
Economy Printing Company	Mr. Ed Ramage	Parchment	(616) 349-7603
Fidlar Doubleday	Mr. Chuck Wytrychowski	Kalamazoo	(616) 381-1040
Howard Printing	Ms. Patty Smetana	Kalamazoo	(616) 329-0022
International Minute Press	Mr. Jim Woodhams	Portage	(616) 383-0600
J B Printing	Mr. Charles DeVries	Kalamazoo	(616) 349-9601
Jiffy Print, Inc.	Mr. Jack Lawrence	Kalamazoo	(616) 381-7281
Portage Printing	Mr. Craig Vestal	Portage	(616) 323-9333
Relizon	Mr. Mike Gretchen	Kalamazoo	(616) 388-8880
SBF/Corona Graphics, Inc.	Mr. Matt VanderMeulen	Kalamazoo	(616) 342-6492
Superior Business Solutions	Mr. Douglas Burke	Kalamazoo	(616) 323-1333
Superior Colour Graphics	Mr. Robert Fink	Kalamazoo	(616) 381-4830
West Colony Printing	Mr. Mike Kemple	Kalamazoo	(616) 375-6625
<i><b>Kent County</b></i>			
Allegra Print & Imaging	Mr. Ron Vetter	Grand Rapids	(616) 248-4000
Amway Corporation	Ms. Loretta Campbell-Jones	Ada	(616) 787-4044
Clarke American	Mr. Scott Finses	Grand Rapids	(616) 452-3148
Copy Options, Inc.	Ms. Deb Scott	Grand Rapids	(616) 243-5889
Dickinson Press	Mr. Les Hulst	Grand Rapids	(616) 957-5100
Etheridge Company, The	Ms. Dianna Johnson	Grand Rapids	(616) 459-4418
Falcon Printing	Mr. Juergen Lohrke	Ada	(616) 676-3737
Grandville Printing	Mr. Jeff Simpkins	Grandville	(616) 534-8647
Ideal Printing Company	Mr. Dan Goris	Grand Rapids	(616) 453-2433
Printing Arts Company	Mr. Jim Kuzee	Grand Rapids	(616) 456-7126
Quick Printing Company	Mr. Mark Weyers	Grand Rapids	(616) 241-0506
<i><b>Lapeer County</b></i>			
Webco Press - Mass Media	Ms. Barbara Hill	Lapeer	(810) 664-7403

Organization Name	Contact Name	City	Phone Number
<i>Livingston County</i>			
Business Imaging Group	Ms. Kirt Albrecht	Brighton	(810) 229-2989
Econo Print, Inc.	Mr. Ted Stillber	Pinckney	(313) 878-5806
G-Graphics	Mr. Dan Gasparotto	Brighton	(810) 229-8003
<i>Macomb County</i>			
Action Printing	Mr. John Serra	Sterling Heights	(810) 739-2750
American Ink	Ms. Karen Vaughn	Eastpointe	(810) 536-9356
American Speedy Printing	Ms. Michelle Komar	Auburn Hills	(248) 693-2050
Macomb Printing	Mr. Jim Whedan	Clinton Twp.	(810) 463-2301
Tweddle Litho Company	Mr. Tim Evans	Clinton Twp.	(810) 307-3700
<i>Marquette County</i>			
Lake Superior Press, Inc.	Mr. Wayne Jacques	Marquette	(906) 228-7450
<i>Mason County</i>			
Danielson Color Print	Ms. Janice Danielson	Ludington	(616) 843-3531
<i>Midland County</i>			
McKay Press	Mr. Harry Iafrate	Midland	(517) 631-2360
<i>Montcalm County</i>			
T.C. Advertising-Printco Group	Mr. Robert L. Schuleit	Greenville	(616) 754-3672
<i>Muskegon County</i>			
MICRGraphics/Billy the Printer	Mr. Rob Olsen	Muskegon	(616) 733-3165
Earle Press Printing	Mr. Wes Percy	Muskegon	(616) 773-2111
Rogers Printing, Inc.	Mr. Thomas Rogers	Ravenna	(616) 853-2244
<i>Oakland County</i>			
E&G Printing Service, Inc.	Mr. Scott van Wormer	Madison Heights	(248) 583-2500
Executive Printing Services	Mr. Ray Davis	Farmington Hills	(248) 476-7723
Graphic Enterprises, Inc.	Mr. Fred Parr, Jr.	Madison Heights	(248) 616-4900
Image Masters Precision Printing	Mr. Richard Covault	Wixom	(248) 624-0600
Impressions Printing Inc.	Mr. Clark Barnes	Highland	(248) 887-4554
International Minute Press	Mr. Dave Wattles	Farmington Hills	(248) 474-7335
Nelson Printing Enterprises	Mr. Roger Nelson	Royal Oak	(248) 545-5440
Utley Brothers, Inc.	Mr. Duane M. Harrison	Troy	(248) 585-1700
<i>Ottawa County</i>			
Allegra Print & Imaging	Mr. Rick Schwander	Grand Haven	(616) 844-0101
Allegra Print & Imaging	Mr. Rick Schwander	Holland	(616) 786-3101
The Printery	Mr. Kirk Griffes	Holland	(616) 396-4655

Organization Name	Contact Name	City	Phone Number
<i><u>Saginaw County</u></i>			
Copy Quick	Mr. Dave Birnbaum	Saginaw	(517) 754-0000
TBF Graphics	Mr. Greg Turner	Saginaw	(517) 752-5540
The Print Shop	Mr. Ben Gomber	Saginaw	(517) 793-9427
<i><u>St. Clair County</u></i>			
Sir Speedy	Ms. Lisa Bowman	Port Huron	(810) 982-8202
<i><u>St. Joseph County</u></i>			
LTI Printing	Mr. Richard Weyler	Sturgis	(616) 651-7574
<i><u>Washtenaw County</u></i>			
Adair Printing	Mr. Charlie Foster	Dexter	(734) 426-2822
Edwards Brothers, Inc.	Mr. William Bogen	Ann Arbor	(734) 769-1000
First Impression Printers	Mr. Terry Weaver	Ann Arbor	(734) 662-6541
Flint Ink Corporation	Ms. Rita Conrad	Ann Arbor	(734) 622-6362
Fullserv, Inc.	Ms. Leila Covrigarn	Ann Arbor	(734) 913-0690
Goetzcraft Printers	Ms. Paulette Goetz	Ann Arbor	(734) 973-7604
Huron Valley Printing & Imaging	Mr. Ed McEachern	Ann Arbor	(734) 971-1700
International Minute Press	Mr. Jeffery Paul	Ann Arbor	(734) 769-3351
Malloy Lithography Inc.	Ms. Terri Roggenkamp	Ann Arbor	(734) 665-6115
McNaughton & Gunn, Inc.	Mr. Jack A. Briegel	Saline	(734) 663-1413
Parkman Printing, Inc.	Mr. James Ceely	Ann Arbor	(734) 761-4391
Sheridan Books, Inc.	Mr. Randy Buckingham	Ann Arbor	(734) 662-3291
Thomson-Shore Inc.	Mr. Mark Hodshine	Dexter	(734) 426-3939
University Lithoprinters	Mr. Mark A. Sulkowski	Ann Arbor	(734) 973-9414
<i><u>Wayne County</u></i>			
Aquila Printing	Ms. Tina Kirkman	Detroit	(313) 535-0120
EPI Printers, Inc.	Mr. Robert J. White, Jr.	Livonia	(734) 261-9400
Gonzalez Integrated Marketing Inc.	Mr. JR Rossi	Detroit	(313) 871-1535
Hatteras Printing	Ms. Lela Ach	Livonia	(734) 525-5500
Kimcraft Printers	Mr. Art Kletzka	Canton	(734) 254-9900
Printwell	Mr. Tom Roach	Taylor	(734) 941-6300
Sir Speedy Printing	Mr. Tom Kenyon	Livonia	(734) 476-8130
Valassis Comm., Inc.	Mr. Craig Wenzel	Livonia	(734) 632-6300
<i><u>Lucas County, Ohio</u></i>			
Homewood Press, Inc.	Mr. Paul Juhasz	Toledo, Ohio	(419) 478-0695

**Appendix B: List of Michigan Great Print Buyers**

The following is a list of current Michigan Great Print Buyers (20 as of October 1, 2000), including a contact person, location and phone number. Contact a Great Print Buyer if you have any questions regarding their participation:

Organization Name	Contact Name	City	Phone Number
American Lung Association	Mr. Elliot Levingsohn	Lansing	(517) 484-4541
Citizens Against Pollution, Inc.	Mr. William D. Lewis	Lansing	(517) 595-6526
Citizens for Alternatives to Chemical Contamination		Lake	(517) 544-3318
Ingham County Government	Mr. Gerry Ambrose	Mason	(517) 676-7203
Ingham County Drain Commissioner	Mr. Eric Schertzing	Mason	(517) 676-8395
Kalamazoo County Government	Mr. Steve Leuty	Kalamazoo	(616) 387-8110
The Lone Tree Council	Mr. Terry R. Miller	Bay City	(517) 686-6386
Mackinac Chapter Sierra Club	Ms. Alison Horton	Lansing	(517) 484-2372
Michigan Chiropractic Society	Ms. Susan Palin	Lansing	(517) 351-1117
Michigan Environmental Council	Mr. Dave Dempsey	Lansing	(517) 487-9539
Michigan United Conservation Clubs	Mr. Kevin Frailey	Lansing	(517) 346-6473
Mid-MEAC	Ms. Alice Austin	East Lansing	(517) 337-2237
National Wildlife Federation	Mr. Guy Williams	Ann Arbor	(313) 769-3351
Public Interest Research Group in Michigan	Mr. Brian Imus	Ann Arbor	(313) 662-6597
<b><u>Print Customers Committed Verbally</u></b>			
Michigan State University	Mr. Bill Attkinson	East Lansing	(517) 355-0357
Western Michigan University	Mr. Jerry Wouch	Kalamazoo	(616) 387-2805
Capitol Times Publications	Mr. Jeff Garrity	Lansing	(517) 267-1931
WMEAC	Mr. Tom Leonard	Grand Rapids	(616) 451-3051
EMEAC	Ms. Libby Harris	Bloomfield Hills	(810) 258-5188
Michigan Education Association	Mr. Ken MacGregor	East Lansing	(517) 332-6551

### Appendix C: List of Publications developed by MI-GPP

- › *1998 MI-GPP Progress Report I*
- › *2000 MI-GPP Progress Report II*
- › *Becoming A Great Printer*
- › *How to Be an Environmentally Sound Print Customer*
- › *Michigan Great Printers Project Program Overview*
- › *McNaughton & Gunn Case Study*
- › *Mitchell Graphics Case Study*
- › *Pollution Prevention Checklist and Strategies for Michigan Lithographic Printers*
- › *Print Buyers Checklist*
- › *Waste Management and Responsibilities for Michigan Lithographic Printers*
- › *Working With Your Supplier*
- › MI-GPP assisted with the development and publication of the *Regulatory Guidebook for Michigan's Lithographic Printing Industry*
- › Michigan Great Printers Project Webpage: [www.deq.state.mi.us/ead/p2sect/migpp](http://www.deq.state.mi.us/ead/p2sect/migpp)

### Appendix D: List of MI-GPP Steering Committee Members

*Mr. John A. "Jack" Briegel*

Co-Owner & Vice-President, Manufacturing  
McNaughton & Gunn

*Ms. Lana Pollack*

Executive Director  
Michigan Environmental Council

*Ms. Rita Conrad*

Director of Communications  
Flint Ink

*Mr. Frank Ruswick*

Program Manager, Waste Management Division  
Michigan Department of Environmental Quality

*Mr. Dennis Drake*

Chief, Air Quality Division  
Michigan Department of Environmental Quality

*Mr. Nick Wagner*

President  
Printing Industries of Michigan

*Ms. Marcia Horan*

Chief, Pollution Prevention Section  
Environmental Assistance Division  
Michigan Department of Environmental Quality

*Mr. Guy Williams*

Pollution Prevention Specialist  
Great Lakes Resource Center  
National Wildlife Federation

*Mr. G. Tracy Mehan, III*

Director, Office of the Great Lakes  
Michigan Department of Environmental Quality

*Mr. Paul Zugger*

Chief, Environmental Assistance Division  
Michigan Department of Environmental Quality