

APPENDIX A: SAMPLE EDUCATIONAL SHEET FOR DISTRIBUTION TO WORKERS

Construction Waste Recycling Program

Recycling construction waste can save both money and natural resources. XYZ Builders has decided to recycle WOOD and CARDBOARD created at its construction sites. All employees and subcontractors will be expected to follow the instruction for recycling these materials. It is very important that the appropriate items are separated out, since the goal of this program is to divert materials from the waste stream for recycling.





XYZ Builders Recycling Program Rules:

Wood and cardboard are being recycled in our recycling program. These materials need to be separated at the construction site, then transported to the designated locations to be recycled.







Two roll-off containers will be placed onsite, labeled “RECYCLE: CARDBOARD ONLY” and “RECYCLE: WOOD ONLY.” Only the labeled material can be put in each roll-off container. Please follow these guidelines of what to separate into each bin to help make this project successful.

WOOD

Will Accept:




-  Stumps
-  Brush
-  Untreated lumber
-  Pallets

Will Not Accept:



-  No cardboard
-  No pressure treated wood
-  No painted or stained wood
-  No decking
-  No green lumber
-  No plastic

CARDBOARD

Will Accept:

-  Cardboard only - must flatten
-  Chipboard or cereal box type containers accepted
-  Cut 2 foot x 3 foot (if possible)

Will Not Accept:

-  No food stained containers such as pizza boxes
-  No other items!

Everything else should be disposed of in the regular waste dumpster at your jobsite. Thank you for your cooperation with this environmentally friendly program.

APPENDIX B: LIST OF HAULERS AND RECYCLERS

The following are the names, addresses and telephone numbers of businesses in the mid-Michigan area that collect and/or process C&D materials for recycling. Information provided includes the materials accepted and the type of service provided. Handlers and processors are categorized by the type of material accepted.

Haulers

Billy's Contracting
Saginaw, MI
989-753-7719
Accepts: Clean asphalt, concrete, wood, brush, metal

Disposal Management
888-872-7485
www.rubbishonline.com

Waste Management, Inc.
1311 N. Niagara, Saginaw, MI 48602
989-752-3999

Putt, Inc.
2610 Salzburg Rd, Freeland, MI 48623
989-496-2335
info@puttinc.com
Accepts: Clean wood, pallets, untreated lumber, brush, stumps.

RRS/FCR of Saginaw
911 Veterans Memorial Pkwy, Saginaw, MI 48601
989-754-7402
Accepts: Corrugated cardboard. This is a multi-material recycling plant -- call for specifics.

Recyclers

Antique Brick Company
Utica, MI
800-345-0128
Accepts: Old brick from deconstruction projects -- call ahead.

Champagne and Marx Excavating, Inc.
1445 Liberty Rd., Saginaw, MI
989-755-8971 or 989-755-0371
Accepts: Broken asphalt, concrete and brick.

Disposal Management
888-872-7485
www.rubbishonline.com
Accepts: Corrugated cardboard and concrete.

Habitat for Humanity
Saginaw, MI
989-753-5200
Accepts: Neutral color latex paint, gently used or surplus building supply.

Saginaw Rock Products Company
1701 N. First St., Saginaw, MI
989-754-5861
Accepts: Clean concrete only.

Waste Management Recycle America Alliance
1957 Findley, Saginaw, MI 48601
989-754-6511
Accepts: Corrugated cardboard, plastics, metals. This is a multi-material recycling plant -- call for specifics.

APPENDIX C: WHERE TO BUY “GREEN” BUILDING MATERIALS

Following is a list of locations where recycled-content and other green products can be purchased. However, since retailers frequently add new items to their product lines, you should also be sure to ask your local retailers if they stock any specific materials, such as carpet made from recycled plastic or low-VOC paint.

Flooring

Bridgeport Flooring Covering

5183 Dixie Highway

Bridgeport, MI

989-777-5666

Carries recycled-content carpet padding. Ask about recycled-fiber carpet as well.

Insulation

Applegate Insulation

Webberville, MI

800-627-7536

www.applegateinsulation.com

Thermal insulation from recycled paper. Call directly for purchasing information. ENERGY STAR certified.

Nu-wool

Jenison, MI

800-748-0128

www.nuwool.com

Thermal insulation from recycled paper. Call directly for purchasing information.

Integrated Insulation

Insulspan

PO Box 39

9012 East US 223

Blissfield, MI 49228

517-486-4844 phone 517-486-2056 fax

www.insulspan.com or insulspan@insulspan.com

Manufactures high quality, foam core panels suitable for residential and commercial building applications. The solid, one piece structural components can be used in walls, floors and roofs. ENERGY STAR certified.

Tri-City Thermo-form, Inc.

191 Hendrie

Bay City, MI 48706

517-686-9714

Provides insulated concrete forms (I.C.F. Systems) above and below grade for both commercial and residential buildings. ENERGY STAR certified.

Lumber

Plasteak

Akron, OH

1800-320-1841

www.plasteak.com

Recycled lumber, decking and ecoboard-- 80% to 100% recycled content. Call directly for purchasing information.

Stock Building Supply

802 Ashman St.

Midland, MI 48640

989-631-4290

Local distributor for Trex Lumber (95% recycled wood and plastic)

Wolohan Lumber

3400 Bay Rd.

Saginaw, MI 48603

989-793-3191

Local distributor for Trex Lumber (95% recycled wood and plastic)

APPENDIX C: WHERE TO BUY “GREEN” BUILDING MATERIALS (CONT.)

Paint

Low-VOC and Zero-VOC paints:

Benjamin Moore (Pristine Eco Spec)

800-344-0400

www.benjaminmoore.com

Eco-Wise (ChemSafe)

210-657-5321

www.ecowise.com

The Glidden Company (ProMaster)

800-834-6077

www.icipaintstores.com

ICI DuLux Paints (Lifemaster 2000)

800-984-5444

www.iciduluxpaints.com

Pittsburgh Paints (Pure Performance)

888-774-7732

www.pittsburghpaints.com

Sherwin-Williams (Harmony)

800-321-8194

www.sherwinwilliams.com

Natural paints made from plants and minerals:

EcoDesign (BioShield)

800-621-2591

www.bioshieldpaint.com

Environmental Building Supplies (Aglaia)

503-222-3881

www.ecohaus.com

Natural Home (Auro)

707-824-0914

www.naturalhomeproducts.com

Non-toxic, natural milk paints:

Antique Drapery Rod Co. Inc. (Healthy Milk Paint)

214-653-1733

www.antiquedraperyrod.com

Sawyer Finn (Natural Milk Paint)

816-421-3321

www.sawyerfinn.com

Old Fashioned Milk Paint Co.

978-448-6336

www.milkpaint.com

Roofing Materials

IKO

538 Cosmopolitan

Marshall, MI

1-800-IKO-ROOF

www.iko.com

70% recycled material in the organic and glass fiber asphalt shingles.

APPENDIX D: “GREEN” BUILDING AND CONSTRUCTION SITE RECYCLING RESOURCES

Please note that in addition to the following listing of resources, MMWA will have a collection of books and other resources available at their office. Please call 989-755-2716 for more information.

Websites

Building Green.Com <www.buildinggreen.com>

Environmental Design and Construction <www.EDCmag.com>

Energy & Green Building Resource Center (Program of Recycle Ann Arbor) <www.environmentalhouse.org>

Green Building Source <www.oikos.com>

King County Solid Waste Division <http://dnr.metrokc.gov/swd/bizprog/sus_build/susbuild.htm>

Michigan Department of Environmental Quality <www.michigan.gov/deq>

Portland Metro Recycling <www.metro-region.org>

Toolbase <www.toolbase.org>

Urban Options (solar educational home based in East Michigan) <www.urbanoptions.org>

US Department of Energy <<http://www.sustainable.doe.gov/buildings/affhousing.shtml#Overview>>

US Environmental Protection Agency <www.epa.gov>

US Green Building Council <www.usgbc.org>

Books and Publications

U.S. EPA, 2000 Buy-Recycled Series: Construction Products. EPA530-F-00-009, April 2000.

Triangle J Council of Governments, Construction and Demolition Debris Reduction and Recycling: A Regional Approach, June 1993.

Triangle J Council of Governments, WasteSpec, July 1995.

Building Green, Inc., GreenSpec Directory: Product Directory with Guideline Specifications, Third Ed., October 2002.

Organizations

Construction Materials Recycling Association (CMRA)

P.O. Box 644

Lisle, IL 60532

630-548-4510 <www.cdrecycling.org>

National Association of Homebuilders Research Center

400 Prince George's Boulevard

Upper Marlboro, MD 20774

301-249-4000 <www.nahbrc.com>

REFERENCES

The following is a list of references that have been used to create this guide and can be consulted if you have further questions about construction site recycling or green building.

Cellulose Insulation Manufacturers Association, *Here's Why Cellulose Insulation is Best for Your Home*.

GreenSeal, *Choose Green Report: Carpet*. December 2001.

Home & Building Association of Greater Grand Rapids, *Certified Green Built*.

Hucal, Clark Michelle, *Environmental Certainty*, [EnvironmentalDesign+Construction](#), July/August 2003.

Illinois Department of Commerce and Community Affairs, *Illinois Construction and Demolition Site Recycling Guidebook*, 1997.

National Association of Homebuilders Research Center, *Residential Construction Waste Management: A Builder's Field Guide*.

Paper, Heather J., *Safe Haven: Color Your Home with Eco-friendly Products*. www.vegetariantimes.com, May 2003.

Solid Waste Management Coordinating Board, *Environmentally Preferable Purchasing Guide*. November 2002.

U.S. EPA, *Building Savings: Strategies for Waste Reduction of Construction and Demolition Debris from Buildings*. EPA-530-F-00-001. June 2000.

U.S. EPA, *Waste Wise Update: Building for the Future*. EPA-530-N-02-003. February 2002.

WasteCap Wisconsin, *Construction and Demolition Debris Briefing Paper: Reducing, Reusing, and Recycling*.