

2005 Project Abstract

For the Period Ending June 30, 2007

TITLE: Minnesota Children's Pesticide Exposure Reduction Initiative

PROJECT MANAGER: Collie Graddick

ORGANIZATION: Minnesota Department of Agriculture

ADDRESS: 625 Robert Street North

WEB SITE ADDRESS: www.mda.state.mn.us

FUND:

LEGAL CITATION:

For 2005 the exact language is: ML 2005, First Special Session, Chp. 1, Art. 2, Sec. 11, Subd. 12a.

APPROPRIATION AMOUNT: \$ 200,000

Overall Project Outcome and Results

The "MN Children's Pesticide Exposure Reduction Initiative" objective was to reduce children's pesticide exposures through parent education of alternative pest control methods and safe pesticide use. Project efforts focused on rural and suburban residents and minorities (including migrant workers), as well as urban counterparts, through early childhood programs and community outreach. Project tasks included production of an educational DVD, a refrigerator magnet, and an educational training manual, all in four languages: English, Hmong, Somali and Spanish. A public service announcement and informational materials were also developed, along with a train-the-trainer component and training of others having direct familial contacts.

Program activities included identifying communities at risk, training local personnel to enhance safe pesticide use education, and establishing cooperative working relationships with other agencies, community organizations, environmental organizations, dealers, and educational institutions. The goal of the program was to establish a regulatory presence in urban and residential communities; provide educational materials and training on pest prevention and control; and ensure the safe and proper use of all pesticides. The program involved community outreach through a short presentation, a demonstration, and a free pest management kit to participants. The kits include several items that can be used to help control indoor pests such as cockroaches, ants, mice, spiders, etc.

The project partnered with numerous organizations including the U. S. Environmental Protection Agency, the MN Departments of Education, the MN Department of Health, U.S. Housing and Urban Development Healthy Homes program, the American Lung Association of MN, MN Migrant Health Services, the City of Minneapolis Environmental Action for Children's Health Demonstration Project, local school districts Early Childhood Family Education programs and MN Daycare Associations to name a few. The program worked with over 60 different organizations, gave over 120 presentations, and distributed over 9,000 pieces of information to approximately 7,000 people.

Project Results Use and Dissemination

Education Materials Developed:

4,000 DVD's with 4 languages on each (12 minutes long)

4,000 promotional fans

5,000 promotional magnets with 4 languages on each

5,000 user manuals (manual translated into 4 languages)

1,000 pest mgmt. kits (caulking, caulking gun, steel wool, screen kit, duct tape, cloth pin and trap)

3,000 promotional posters in 5 languages (Hmong, Spanish, English, Somali and Russian).

MDA website developed with education and outreach materials

Program Outreach: Meetings, Workshops, Project Materials, etc.:

850 promotional fans

1,100 promotional magnets

1,255 DVD's

900 Pest Management Kits

4,820 Outreach and Educational Materials (manuals, brochures, fact sheets, etc.)

182 Outreach and Educational Training Sessions, Meetings, Workshops

6 Community Forums

83 Different agencies and/or organizations as partners, workshops, forums, etc.

18,860 Approximate number of children and families impacted by program

LCMR 2005 Work Program Final Report

Date of Report: June 30, 2007
Date of Next Status Report: June 30, 2007
Date of Work program Approval: June 24, 2005
Project Completion Date: June 30, 2007

I. PROJECT TITLE: Minnesota Children's Pesticide Exposure Reduction Initiative

Project Manager: **Affiliation:** Collie Graddick, MN Dept. of Agriculture
Mailing Address: 625 Robert Street North
City / State / Zip : St. Paul, MN 55155
Telephone Number: 651-201-6234
E-mail Address: Collie.Graddick@state.mn.us
FAX Number: 651-201-6112
Web Page address: www.mda.state.mn.us

Location: *Statewide*

Total Biennial LCMR Project Budget:	LCMR Appropriation:	\$ 200,000
	Minus Amount Spent:	\$ 194,600
	Equal Balance:	\$ 5,400

Legal Citation: ML 2005, Chap. 1, Art. 2, Sec. 11, Subd. 12a.

Appropriation Language: *\$100,000 the first year and \$100,000 the second year are to the commissioner of agriculture to reduce children's pesticide exposure through parent education on alternative pest control methods and safe pesticide use.*

II. and III. Final Project Summary: The "MN Children's Pesticide Exposure Reduction Initiative" objective is to reduce children's pesticide exposures through parent education of alternative pest control methods and safe pesticide use. Efforts focused on rural and suburban residents and minorities (including migrant workers), as well as urban counterparts, through early childhood programs and community outreach. Project tasks included production of an educational DVD in four languages (English, Hmong, Somali and Spanish), a public service announcement, a refrigerator magnet in four languages, an educational manual in four languages and a fan. The program also developed a train-the-trainer component and training of other persons having direct familial contacts.

Program activities included identifying communities at risk, training local personnel to enhance safe pesticide use education, establishing cooperative working relationships with other agencies, community organizations, environmental organizations, dealers, and educational institutions. The goal of the program is to establish a regulatory presence in urban and residential communities; provide

educational materials and training on pest prevention and control thereby reducing the need and potential exposure to pesticides; and to ensure the safe and proper use of all pesticides. The program involved community outreach through a short presentation, a demonstration and a free pest management kit to participants. The kits include several items that can be used to help control indoor pests such as cockroaches, ants, mice, spiders, etc.

The project partnered with several other organizations including the U. S. Environmental Protection Agency, the MN Departments of Education, the MN Department of Health, U.S. Housing and Urban Development Healthy Homes program, the American Lung Association of MN, MN Migrant Health Services, the City of Minneapolis Environmental Action for Children's Health Demonstration Project, local school districts Early Childhood Family Education programs and MN Daycare Associations to name a few. The program worked with over 60 difference organizations, gave over 120 presentations, and gave out over 9,000 pieces of information to approximately 7,000 people.

MDA utilized the U.S. Environmental Protection Agency's Urban Initiative grant to fund the project manager position and to purchase pest management demonstration kits. LCMR project monies were used to hire an Information Officer for Communication and an Information Officer for Education and Outreach to perform the project tasks and cover necessary consultant services.

IV. OUTLINE OF PROJECT RESULTS:

Result 1: Produce an Educational Video/DVD & Public Service Announcement

Description: The video/DVD will demonstrate pest identification, basic non-chemical pest control methods, importance of reading and following pesticide labels. A sixty second public service announcement will be developed and provided to all local television networks, and the DVD will be provided to all local access cable channels for broadcast. The video/DVD will be produced in English, Spanish, Hmong and Somali, and be used to provide information to the parents, and train the trainer participants. The DVD format is the preferred medium since it can be easily produced in several different languages, and lasts longer. However, several hundred copies of VHS tape will be produced for those who don't have access to a DVD player. The video/DVD will be of high quality and be shared within a community, there by perpetuating education to the future parents. All the materials developed will be available on the MDA website.

Summary Budget Information for Result 1:	LCMR Budget	\$ <u>80,800</u>
	Balance	\$ <u>0</u>

Completion Date: *April 2007*

Final Report Summary: June 30, 2007

Result 1 was scheduled to be completed in March 2006. The entire video/DVD was not completed until late summer due to a delay in hiring of the Project Coordinator.

The script content for the video/DVD and Public Service Announcements was developed in August 2006. The draft of the script content was reviewed by agency staff and project partners for accuracy of content and message. Contract language for production was also complete. The project was delayed again due to the Project Coordinator taking emergency medical leave and short term disability from May 14 – September 1, 2006. An Information Officer was hired to oversee the Video/DVD production and assumed some of the Project Coordinator duties temporarily. A subcontract to produce DVD/Video was executed and completed on April 30, 2007. Subcontract to produce DVD/Video completed and delivered. After completing the script and DVD production the subcontractor did not reproduce the 4,000 copies requested. That left a balance of \$5,400. This work was contracted to another subcontractor.

Result 2: Train the Trainer Program

Description: Train Early Childhood Family Education (ECFE), Head Start, Migrant Health Service and Migrant Head Start Educators to provide information to families in their respective programs. Together these programs serve over 100,000 children from birth to five years of age, each year throughout Minnesota. The participants will evaluate the presentation.

Summary Budget Information for Result 2:	LCMR Budget	\$ <u>57,500</u>
	Balance	\$ <u>0</u>

Completion Date: *December 2006*

Final Report Summary: June 30, 2007

The Train-the-Trainer program began with contacting the MN Dept of Health, MN Dept of Education, Head Start, Migrant Health Services, Early Childhood Family Education programs and other project partners. A database has been setup for contacts. Some Train-the-Trainer workshops were requested and completed using information previously developed by MDA and EPA with additional training conducted once the DVD's were developed. Initial workshops were conducted with MN Visiting Nurses Association, Migrant Health Services, St Paul/Ramsey Co. Dept of Health with over 75 participants attending. A Training Manual and additional support material was developed. Once the DVD's and materials were developed additional workshops were conducted.

Education Materials Developed:

- 4,000 DVD's with 4 languages on each (12 minutes long)
- 4,000 promotional fans
- 5,000 promotional magnets with 4 languages on each
- 5,000 user manuals (manual translated into 4 languages)
- 1,000 pest mgmt. kits (caulking, caulking gun, steel wool, screen kit, duct tape, cloth pin and trap)
- 3,000 promotional posters in 5 languages (Hmong, Spanish, English, Somali and Russian).
- MDA website developed with education and outreach materials

Result 3: Train Others Who Have Direct Contact with Parents

Description: In home childcare providers (13,000 throughout Minnesota); contract with Spanish, Hmong and Somali presenters; local government programs; public health and visiting nurses; housing inspectors (80 throughout Minnesota), etc. Present information as part of community education and/or continuing education. Participants will be offered copies of the DVD.

Summary Budget Information for Result 3:	LCMR Budget	\$ 61,700
	Balance	\$ <u>5,400</u>

Completion Date: May 2007

Final Report Summary: June 30, 2007

Initial contacts and a contact database was set up. Workshops were setup with MN Dept. of Health, St. Paul Ramsey County Health Dept., Hennepin County Environmental Services, The 9 County Metro Recycling Committee, Cass Lake Native American Community, Anoka Co. Fair, MN State Fair Eco Education, Greater Minneapolis Day Care Association, MN Asian Community, MN African Community, MN Hispanic Community, Day Care providers, WIC Program Service providers, Environmental organizations, MN Dept of Health. Training and informational materials developed. Workshops for Day Care providers, Schools, Community organizations, Environmental groups and Local Health organizations are ongoing. No contract with Presenter or Interpreters was executed thereby leaving a balance of \$5,400 for the project.

V. TOTAL LCMR PROJECT BUDGET:

All Results: Personnel: \$ 78,000
All Results: Equipment: \$
All Results: Development: \$
All Results: Acquisition: \$
All Results: Other: \$ 122,000

TOTAL LCMR PROJECT BUDGET: \$ 200,000

Explanation of Capital Expenditures Greater Than \$3,500:

VI. PAST, PRESENT AND FUTURE SPENDING:

Past Funding:

1998 to 2004 U.S. EPA provided an average of \$26,000.00 annually for the project in St. Paul-Minneapolis.

2001 - EPA special grant of \$30,000.00 to expand the program to non-English speakers in St. Paul – Minneapolis.

2003 – EPA special grant of \$30,000 for a pilot program for the Migrant Community in western Minnesota.

Present Funding:

EPA funds for the Urban Initiative program in St. Paul-Minneapolis: \$22,000 for two years.

MDA funds for direct project costs (communication, office space, etc.): \$5,000 for two years.

Future Funding:

VII. PROJECT PARTNERS:

A. Project Partners:

Minnesota Department of Health: Chuck Stroebel, \$1,000 in kind

Migrant Head Start (2 centers in southern Minnesota): \$1,500 in kind

Migrant Health Service: \$500 in kind

City of Minneapolis' Environmental Action for Children's Health

Demonstration project: Lisa Smestad (\$5,000 in kind)

B. Required Match (if applicable):

C. Time:

March 2006 – April 2007 Video Production, translation, reproduction.

January 2007 – June 2007 Train the Trainer programs.

January 2006 – June 2007 Train other individuals who have close contacts with parents of young children: childcare workers, public health nurses, visiting nurses and others.

VIII. DISSEMINATION: DVD/video production: Trained Early Childhood Family Education (ECFE), Head Start, Migrant Health Service and Migrant Head Start Educators to provide information to families in their respective programs. Together these programs serve over 100,000 children from birth to five years of age, each year throughout Minnesota. In home childcare providers (13,000 throughout Minnesota); local government programs; public health and visiting nurses; housing inspectors, etc. Presented information as part of community education and/or continuing education. Participants are offered copies of the fans, refrigerator magnets, DVD and training manual.

102 Meetings, Outreach and Educational Training Sessions

Presentations

Alliance for Sustainability

American Lung Association, St. Paul

Bemidji Community Education, Bemidji

Bi-County Community Action Programs, Bemidji

Cass Lake Environmental Conference, Cass Lake

Center For Families African Conference, Minneapolis

Chalchitlicue Environmental Conference, Minneapolis

Clean Water Action, Minneapolis

Community Initiative For Children, Minneapolis

Dakota County Public Health Department, Apple Valley
Environmental Justice Advocates of Minnesota, Minneapolis
Greater Minneapolis Day Care Association, Minneapolis
Harrison Neighborhood Association, Minneapolis
Hennepin County Health Department, Minneapolis
Highland Park Elem. School, St. Paul
International Health Education Alliance, Minneapolis
Lincoln Education Center, Minneapolis
Living Green Expo, St. Paul
Maldonado Consulting, Hastings
Metro Sustainability Conference, Minneapolis
Migrant Health Services, Moorhead
Minnetonka Eco Fair, Minnetonka
Minneapolis Center for Families, Minneapolis
Minneapolis Dept of Health, Minneapolis
MN African Women Association, Brooklyn Park
MN Association of Community Health Centers, Moorhead
MN Children Home Society, Minneapolis
MN Indian Women Resource Center, Minneapolis
Minnesota State Fair Eco-Experience, St. Paul
MN Visiting Nurses Association, St. Paul
Multicultural Indigenous Academy, St. Paul
New Brighten Moms Club, New Brighton
Plymouth Yard and Garden Expo, Plymouth
Preventing Harm Minnesota, Minneapolis
Ramsey County Nurses Association, St. Paul
Resources For Child Caring, Anoka, Ramsey and Washington Counties
Roseville Library, Roseville
Sabathani Community Center, Minneapolis
Selby/Dale Community Organization, St. Paul
Skyline Towers Community, St. Paul
Somali Resource Fair, Minneapolis
St. Cloud Family Literacy Program, St. Cloud
St. Paul Neighborhood House, St. Paul
St. Paul Nurses Association, St. Paul
Somali Family Resources Conference, Minneapolis
Somali Health Alliance, Minneapolis
Tri Valley Opportunity Council
Urban Hope, Minneapolis
University of Minnesota Children's Conference, Minneapolis
West Side Community Center, St. Paul
Will Steger Foundation, Burnsville
Women Cancer Resources Center, Minneapolis
Women's Environmental Institute, Amador Hill
Zumbro Medical Association, Rochester

Meetings

Anoka County Environmental Task Force, Anoka
Greater Twin Cities United Way, St. Paul

Headwater Foundation, Minneapolis
Healthy Legacy Group, St. Paul
Institute for Agricultural and Trade Policy, Minneapolis
Local Fair Trade Network, Minneapolis
MN Assoc. of County Agricultural Inspectors, Alexandria
MN Environmental Partnership, St. Paul
MN Environmental Initiative, St. Paul
Metro Refugee Association, St. Paul
North American Water Office, Lake Elmo
The AfroEco Group, St. Paul

Workshops

Anoka County Environmental Task Force, Anoka
Asian Pacific American Conference, Mankato
Bonded Order Youth Society, Minneapolis
Community Design Center, St. Paul
Eco Education, St. Paul
Girl Scouts Council of Minnesota
Hmong Resource Fair, St. Paul
Institute for Agricultural and Trade Policy, Minneapolis
Latino Family Fest Expo, St. Paul
Living Green Expo, St. Paul
MN Department of Education, Roseville
MN Environmental Partnership, St. Paul
MN Food Association, Stillwater
St. Louis Park Eco Fair, St. Louis Park
Sustainable Agriculture Resource and Education, University of MN

Networking

African Consortium
Anoka County Fair, Anoka
Asian Media Access, Minneapolis
Clean Water Action, Minneapolis
Coalition of African Community Services of Kandiyohi County, Willmar
Dakota County Community Action Council, Burnsville
Hennepin Co. Environmental Services, Minneapolis
LA-MANO, Inc., Mankato
Land Stewardship Project, Minneapolis
Latino Enterprise Center, Northfield
Mankato State University, Family as Faculty program, Mankato
Minneapolis Park and Recreation Board, Minneapolis
MN Children Advisory Network, Minneapolis
MN Dept. of Health, St. Paul
MN Office of Environmental Assistance, St. Paul
MN Pollution Control Agency, St. Paul
MN Center for Environmental Advocacy, St. Paul

Ramsey County Environmental Health
Scott Co. Environmental Services, Prior Lake
Sibley Co. Environmental Services, Gaylord
Southern MN Regional Legal Services, St. Paul
University of Minnesota, Family Social Sciences, St. Paul

- IX. REPORTING REQUIREMENTS:** Periodic work program progress reports will be submitted not later than March 2006, September 2006 and March 2007. A final work program report and associated products will be submitted by June 30, 2007.
- X. RESEARCH PROJECTS:**

Attachment A: Budget Detail for 2005 Projects - Summary and a Budget page for each partner (if applicable)

Proposal Title: *Minnesota Children's Pesticide Exposure Reduction Initiative # (O-01)*

Project Manager Name: *Collie Graddick*

LCMR Requested Dollars: \$200,000 *(Revised amount, based on funding recommendation)*

- 1) See list of non-eligible expenses, do not include any of these items in your budget sheet
- 2) Remove any budget item lines not applicable

2005 LCMR Proposal Budget	Result 1 Budget:	Amount Spent	Balance	Result 2 Budget:	Amount Spent	Balance 6/30/07	Result 3 Budget:	Amount Spent	Balance	
		<i>6/30/07</i>	<i>6/30/07</i>		<i>6/30/07</i>			<i>6/30/07</i>	<i>6/30/07</i>	
	<i>Produce an Educational Video/DVS & Public Service Announcement</i>			<i>Train the Trainer Program</i>			<i>Train Others Who Have Direct Contact with Parents</i>			
BUDGET ITEM										TOTAL FOR BUDGET ITEM
PERSONNEL: Staff Expenses, wages, salaries – Unclassified Temporary Position (Agricultural Advisor) (Total = 0.75 FTE)	14,448	14,448	0	18,060	18,060	0	21,672	21,672	0	54,180
PERSONNEL: Staff benefits – Fringe Benefits for above Unclassified Agricultural Advisor	6,352	6,352	0	7,940	7,940	0	9,528	9,528	0	23,820
Contracts										
<i>Video/DVD Production</i>	35,000	35,000	0							35,000
<i>Spoken Translation Services (dubbing) in 4 languages</i>	5,000	5,000	0							5,000
<i>Video/DVD Reproduction & Distribution</i>	20,000	20,000	0							20,000
<i>Non-English Presenter/Interpreter/ Training Manual Translation - in 4 languages</i>				5,000	5,000	0	13,750	9,366	4,384	18,750
<i>Training Manual Development (Layout/Graphics)</i>				3,000	3,000	0				3,000
Printing - Training manual production	0			7,000	7,000	0	5,500	5,500	0	12,500
<i>Information handouts</i>				5,000	5,000	0	2,250	2,250	0	7,250
Other Supplies (Pest Control Kits containing a variety of items such as window screen material, sealing tape, fly pest strips and other pest traps)	0			10,000	10,000	0	7,200	6,184	1,016	17,200
Travel expenses in Minnesota	0			1,500	1,500	0	1,800	1,800	0	3,300
COLUMN TOTAL	80,800	80,800	0	57,500	57,500	0	61,700	61,700	5,400	200,000