

January 18, 2009

**Western Integrated Pest Management Center
Special Issues, Final Report account 406660**

TO: GOUGE, DAWN H
DEPT: MARICOPA AGRICULTURE CTR-EXT
RE: FRS Account No: 406660
Sponsor: UC DAVIS
Sponsor Number: 07001492ARIZ9
Abbrev. Title: WESTERN IPM CENTER

PI: Dawn H. Gouge, University of Arizona.

A. Title: School Integrated Pest Management – A Change Agent Practicum

Practicum Organizers: Jaslyn Dobrahner (EPA Region VIII), Marc Lame (Indiana University), Tom Green (IPM Institute of North America), and Dawn H. Gouge (University of Arizona).

B. Abstract: The goal of the IPM practicum is to inform state and tribal officials (community change agents) about pest management strategies in schools. The event will provide the knowledge to support and promote the implementation of IPM in their own state or tribe, and facilitate partnering with in-state and regional IPM experts.

The practicum will consist of classroom instruction and discussion of school pest management practices and IPM approaches, then participants will participate in an on-site inspection and evaluation of a school facility. Participants will report on findings to the entire group and offer recommendations based on their findings and the school IPM Pest Management Strategic Plan (PMSP) http://www.ipminstitute.org/school_ipm_pmsp.htm. All participants and instructors will complete a practicum evaluation.

Representatives from other regional school IPM working groups will participate. The expectation is that the other working groups might conduct similar events.

C. Budget: Total Requested **\$4,992**

The funds allocated covered travel costs for instructors: Dawn H. Gouge (University of Arizona), Tim Stock (Oregon State University), and Janet Hurley (Texas Agri. Life Extension). Also, practicum participant: Cecil Tharp (Montana State University).

D. Appendices: Practicum agenda, attendees list, logistics, practicum evaluation data.

School Integrated Pest Management
Change Agent's Practicum

October 15-17, 2008.

Environmental Protection Agency
Region VIII Headquarters
1595 Wynkoop Street
Denver, CO 80202

Agenda

Wednesday, Oct 15 Travel to Denver

6:30-8:00pm Instructors Briefing at Courtyard Marriott, Denver Downtown 934 16th Street, Denver, Colorado 80202, Phone: 1-303-571-1114. Review of presentations, and inspection protocol (pests, pest conducive conditions, pest vulnerable areas, pesticide use and current pest management practices).

Thursday, Oct 16 – Rocky Mountain & Sagebrush rooms (2nd floor conf. center)
Classroom Instruction/Discussion

- 8:00-8:10am Welcome, introductions (Melanie Pallman, Program Director Pollution Prevention, Pesticides and Toxics Program, and Jaslyn Dobrahner, EPA Region VIII)
- 8:10-8:30 Pesticide Environmental Stewardship Program <http://www.epa.gov/peesp/> (Sherry Glick, EPA)
- 8:30-8:45 Pop-quiz (Dawn H. Gouge)
- 8:45-9:45 Why school districts need IPM - The Salt Lake City Experience (Gregg Smith, and Ricardo Zubiate, Facility Services, Salt Lake City School District). Q&A
- 9:45-10:45 Pest encounters and conducive conditions (Dawn H. Gouge and Marc L. Lame)
- 10:45- 11:00 **Break**
- 11:00-12:00 IPM and Pest Management Strategic Plan for schools. (Marc L. Lame)
- 12:00-1:00 **Lunch on your own**
- 1:00-5:00pm Practicum at **Ebert Elementary** <http://polarisprogram.dpsk12.org/>
Fare for the bus/light rail will be \$1.75 each way. Instructors will lead small groups on an inspection, and discuss appropriate pest monitoring, pest management options, etc. Bring digital camera, water bottle, and inspection tools (flashlight, hand lens, knee pads, collection vials, etc.). We have been given permission to take photographs of the school facility, but no photographs of children are allowed.

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5.00 Dinner on your own

Evening It would be very beneficial if participants could download digital images onto a CD or flash drive before the session begins the next day. Also, familiarize yourself with the national school IPM PMSP http://www.ipminstitute.org/school_ipm_pmsp.htm

Friday, Oct 17 – Rocky Mountain & Sagebrush rooms (2nd floor conf. center)

8.00-9.45am Classroom Presentation Development
Groups meet with instructors who will facilitate the creation of a PowerPoint presentation demonstrating inspection findings, and recommendations using digital pictures taken during the school inspection and the PMSP http://www.ipminstitute.org/school_ipm_pmsp.htm

9:45- 10:00 Break

10:00-12.00 Groups will present a PowerPoint report on school-site findings. Room discussion will follow each report (Group rep.).

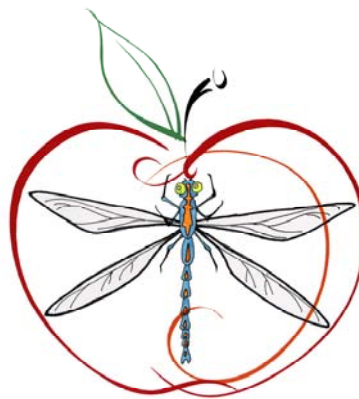
12.00-1:00pm Lunch on your own

1.00-2.15pm Planning Session.
Strategic planning session for community groups (Small Groups)

2:15-2:30pm Please complete practicum evaluation before departing. You will be contacted approximately 3 months after the practicum for an additional interview assessment

Adjourn at 2:30 pm.

***Children are the most vulnerable
members of society,
they are the future.
We are the custodians of their world***



School Integrated Pest Management - Change Agent's Practicum

Attendees		
Clark Burgess	Utah Department of Agriculture & Food	cburgess@utah.gov
Shayne Brady	US EPA, Region VIII	brady.shayne@epa.gov
Richard Dykstra	EnvirioPest	richard@creepycrawlythings.com
Marco (Rodney) Guske	Yakama Nation	marco@yakama.com
Marian Chun	Hawaii Department of Agriculture	marian.r.chun@hawaii.gov
David Golden	US EPA, Region VIII	
Gary Hague	Public Health Division	(720) 887-2232
Steve Hoban	Boulder Valley School District	Steve.Hoban@bvsd.org
Nancy Hunt	Thompson School District R2-J	huntn@thompson.k12.co.us
David Jackson	Boulder Valley School District	David.Jackson@bvsd.org
Lynn Metzger	Eagle County Public Schools	lmetzger@eagleschools.net
Tom Muhlbach	Wyoming Department of Agriculture	tmuhlb@state.wy.us
Melanie Pallman	US EPA, Region VIII	
Judy Peterson	EPA Region 8 (ENF-UFO)	Peterson.Judy@epamail.epa.gov
Laura Pottorff	Colorado Dept. of Ag.	Laura.Pottorff@ag.state.co.us
Roger Reyes	Denver Public Schools	roger_reyes@dpsk12.org
Bill Ringeman	Academy School District 20	bill.ringeman@asd20.org
John Scott	Department of Agriculture	john.scott@ag.state.co.us
Matt Smidt	Denver Public Schools	m_smidt@dpsk12.org
Cecil Tharp	Montana State University	ctharp@montana.edu
Hank Uhden	Wyoming Department of Agriculture	Huhden@state.wy.us
Instructors		
Jaslyn Dobrahner	US EPA, Region VIII	Dobrahner.Jaslyn@epamail.epa.gov
Assefa Gebre-Amlak	Colorado State University	agebre-amlak@co.weld.co.us
Sherry Glick	US EPA/Office of Pesticide Programs	Glick.Sherry@epamail.epa.gov
Dawn H. Gouge	University of Arizona	dhgouge@ag.arizona.edu
Janet Hurley	Texas AgriLife Extension, Southern Regional School IPM Working Group	ja-hurley@tamu.edu
Jerry Jochim	Monroe County Community School Corporation	jjochim@mccsc.edu
Marc Lame	Indiana University	mlame@indiana.edu
Mark Shour	Iowa State University Extension, North Central Regional School IPM Working Group	mshour@iastate.edu

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Tim Stock	Oregon State University	stockt@science.oregonstate.edu
Ricardo Zubiante	Salt Lake City School District	Ricardo.Zubiante@slc.k12.ut.us

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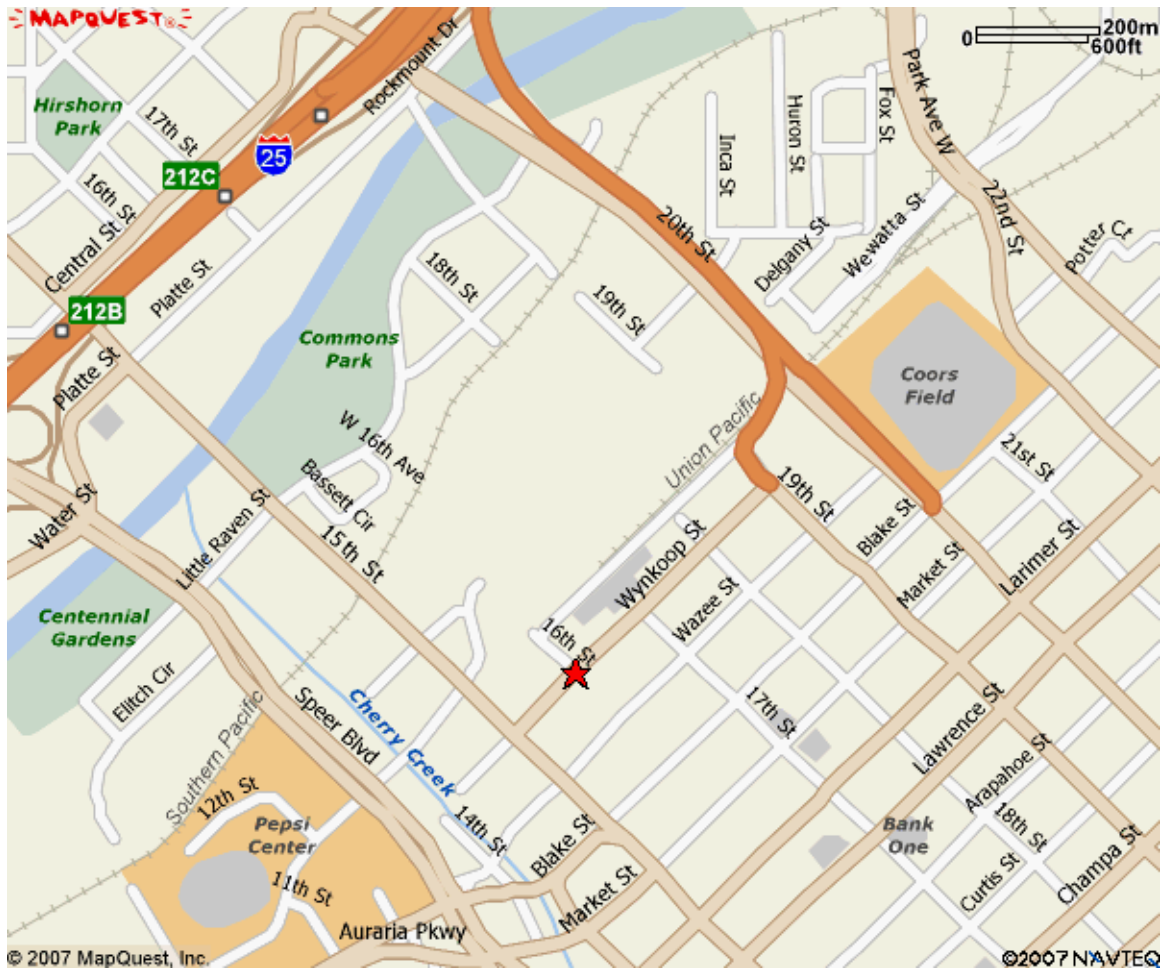
LOGISTICS

>> Important Information <<

Practicum Organizers: Dawn H. Gouge (University of Arizona), Jaslyn Dobrahner (EPA Region VIII), Marc Lame (Indiana University), and Lauren Crane (IPM Institute of North America).

Map: 1595 Wynkoop Street:

The EPA Region 8 building is located next to The Tattered Cover and Union Station in the LoDo district of downtown Denver. Unfortunately, our downtown location makes parking problematic. There are parking lots nearby ranging from \$10- \$12. Also, the 16th Street Mall shuttle bus passes directly in front of the building, and Union Station is a bus and light rail hub.



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Security:

Please bring photo identification to gain access into the building. EPA security will be provided with participant names in advance. You will also need to go through the metal detectors located in the front lobby. Once inside the building, you will receive a visitor badge at the front desk (located directly behind security).

Directions to Meeting Room:

After you receive your visitor badge, please proceed to the second floor conference center via the bamboo staircase or elevators. The Practicum will be held in the Rocky Mountain and Sagebrush rooms.

If you encounter any problems or have questions, please contact **Jaslyn Dobrahner, EPA Region 8 at (303) 312-6252.**

Photography:

We have been granted special permission to bring our digital cameras into the building, please take-care; absolutely no photographs must be taken inside the EPA building.

Change of Plans or Questions:

Please contact Dawn: Cell (602) 418-5202; dhgouge@ag.arizona.edu.

Flights:

Denver International Airport is located at 8500 Peña Boulevard, Denver, Colorado, 80249-6340; General Information: (303) 342-2000.

The airport is accessed by interstate highways and is located less than 35 minutes from downtown Denver by car, shuttle buses, public transportation or taxis.

Peña Boulevard is the primary route to Denver International Airport. The boulevard is accessible from Interstate 70 (Exit 284 eastbound, Exit 285 westbound), from Airport Boulevard, from Tower Road or from the E-470 toll road.

Hotels:

The event will be held at the EPA, Region VIII Headquarters, at the address above, nearby accommodations are listed below:

1. The Oxford Hotel (\$250/night), <http://www.theoxfordhotel.com> The hotel is one

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block from the 16th Street Mall Shuttle, a free shuttle that runs the length of downtown Denver.

2. The Grand Hyatt (\$269/night), about 12 blocks from EPA, or 1.5 blocks to the free 16th street shuttle that will drop you off right in front of our offices. <http://granddenver.hyatt.com>
3. The Courtyard Marriott (\$259/night), is the closest hotel, and about 5 blocks from EPA but directly on the 16th street mall with free shuttle service
<http://www.marriott.com/hotels/travel/dencc-d-courtyard-denver-downtown/>

The hotels below are much cheaper but you would probably require a rental car to get to and from the meeting location.

5. Holiday Inn – Denver Central (\$108/night); 4.6 miles from the meeting location
4849 Bannock Street
Denver, CO 80216 Phone: 303-292-9500

6. La Quinta Inn Denver Central (\$72/night); 1.5 miles from meeting location
3500 Park Ave. West
Denver, CO 80216 Phone: (303) 458-1222

7. Budget Host Travel Inn Denver (\$53/night); 0.7 miles from meeting location
2747 Wyandot Street
Denver, CO 80211 Phone: (303) 477-6229

8. Quality Inn-Denver Central (\$99/night); 2.3 miles from meeting location
200 W 48th Ave,
Denver, CO Phone: 303- 296-4000

9. Howard Johnson Inn – Denver (\$58.65/night); 2.7 miles from meeting location
4765 Federal Boulevard
Denver, CO 80211 US Phone: 303-433-8441

10. Motel 6 Denver Central (\$39.99/night); 2.7 miles from meeting location
3050 W 49th Ave
Denver, CO, 80221 Phone: (303) 455-8888

EDUCATION SESSION SURVEY

School IPM Practicum. Colorado change agents.

	Number of attendees rating in this category			
	Excellent	Good	Fair	Poor
Overall, how would you rate this location for a meeting?	2	7	1	0
Overall, how would you rate the timing for this event? (date and longevity of practicum)	5	4	0	1
Overall, how would you rate the format of this event?	7	3	0	0
Overall, how would you rate the topic(s) presented?	6	4	0	0
How would you rate the relevance of the topic(s) to your specific job?	4	6	0	0
What is the probability that you will change any current practices as a result of this practicum?	7	3	0	0
What is the probability that you will immediately use or adopt any of the information that you learned during this practicum?	5	4	1	0
How would you rate the importance of school IPM?	8	2	0	0
Would you like to attend more advanced training on school IPM?	(10) Yes		(0) No	

What topic(s) did you like most today? Site visit, Robin and Ricardo presentation, small breakout group sessions, organizing an IPM program, all topics were great, q & a opportunity, budget discussion, PMSP exercise, how to get started info., resources that are available, field trip, school IPM materials, school walk-through, info. on pests, alternatives to pesticides.

What topic(s) did you least like today? Too many words in Marc's PPT, make PESP presentation shorter and explain at the end, I'd like to brainstorm into cohort groups, by job position or geographical location, we were too rushed in the school, would like to be broken into small groups and guided through so all relevant parts could be seen easily.

What topics would you like to have presented at future meetings? Mice, rats, more site visits, networking session in small group, least toxic pesticides, how to execute state-wide implementation, more time to exchange information with other states, role of public health reps., more pest management information, insect ID, more ID information and life-cycle information..

Occupation:

- (2) State lead agency staff (2) School district staff (1) Tribal official (0) EPA
 (1) Pest management professional (2) University faculty (1) Other (1) Didn't indicate