

West Des Moines Community School District



Integrated Pest Management Case Study



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IPM Activities

- Inform yourself
- Inform staff and management
- Review existing contract and pest control procedures
- Identify funding/assistance sources
- Contact local pest contractors



IPM Activities (continued)

- Prepare Request For Proposal (RFP)
- Bid process
- Contract agreement
- Staff training
- IPM workbook

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Next steps:

- Program review
- Integrate with other environmental programs



West Des Moines School District

18 buildings

1,366,659 total building square
footage

1,173 faculty/staff

9,071 students

156 operations staff



STEP 1: Inform yourself

Websites: www.edfacilities.org and many others

Books: Blueprint for a Green School
Healthy School Handbook

ISU Extension: Dr. Mark Shour



STEP 2: Inform staff and management

- Operations management
- Custodial
- Grounds maintenance
- Food and nutrition
- Administrators
- Nurses
- Faculty



STEP 3: Review existing contract and pest control procedures

- No pest management contract
- Monthly preventive program applied 2,000 gallons of chemicals annually
- No communication between contractor and district staff



STEP 3: Review existing contract, pest control procedures (continued)

- Community use of buildings minimizes opportunity to apply chemicals
- Monthly invoice from contractor



STEP 4: Identify funding and assistance sources

- EPA Region 7 Environmental Education grant funded IPM brochures (\$5,000)
- Iowa Department of Natural Resources Solid Waste Alternatives Program (SWAP) funded comprehensive environmental improvement project



STEP 4: Identify funding sources

(continued)

- ISU Extension supplied technical literature, on-site evaluations, training, and program development assistance



STEP 5: Contact local pest contractors

- Review of Yellow Pages provided names of 13 potential contractors
- Letter of interest
- Telephone follow-up
- Information session for 4 contractors with interest (existing pest control contractor not among those interested)



STEP 6: Request For Proposal (RFP)

- Used format from recent solid waste project
- Relied on EPA examples and an RFP for a Maryland school
- Integrate contract requirements with RFP to streamline process



IPM Objectives

Structural and landscape pests, as well as pesticides used to control them, can pose significant problems to people, property, and the environment. The District will therefore adopt procedures to incorporate IPM for management of pests on school property.



IPM practices will be adopted to:

- Sustain a safe and healthy school environment for students, staff, and others.
- Protect against any significant threat to public safety.



IPM practices adoption (continued)

- Prevent loss of or damage to school structures or property.
- Reduce the likelihood of pests spreading into areas beyond school sites.



Scope of Service

The Contractor shall furnish all supervision, labor, materials, and equipment necessary to accomplish the monitoring, management and pest removal components of the pest program.



Scope of Service (continued)

The Contractor shall also provide written site-specific recommendations for structural and procedural modifications to aid in pest prevention. The primary service provided by the contractor is the contractor's knowledge about pests and their management, not the routine application of pesticides.



Scope of Service (continued)

The service provided will include annual inspections of all facilities, pest monitoring on a monthly basis at the minimum, proper identification and management of pests consistent with IPM principles, and recommendations to prevent future pest infestations.



STEP 7: Bid process

- Publish Notice of Intent
- Hold pre-bid conference
- Notify all bidders of response to questions (there were none outside of the pre-bid meeting)
- Review committee and ranking score sheet for generic proposals (2 received)



STEP 7: Bid process (continued)

- Bid recommendation was not for low bidder
- Bids vary by approximately 10%
- Hourly rates for additional services vary
- Selected Contractor had more detailed project approach and staff with construction expertise



STEP 8: Contract agreement

- Used format from recent solid waste project
- Relied on EPA examples and contract for a Maryland school
- Legal review conducted
- School board approval



STEP 9: Staff training

- Head custodial 2 day training
- Custodial 1 day training
- Food service training
- Educational brochures

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STEP 10: IPM workbook

- Logbook with implementation forms



Integrate with other environmental programs

- Chemical management (Rehab the Lab)
- Resource management (solid waste and recycling)
- Green building design
- Environmentally preferable purchasing
- Turf management
- Termite management
- Curriculum



Benefits of IPM implementation

- Improve monitoring, tracking system
- Provide standard operating practices
- Improve health of students and staff
- Insurance and Workers Comp benefits
- Improved building maintenance can result in cost savings
- Increased awareness of trained staff



Obstacles of IPM implementation

- Time required in contract development
- Competing projects
- Commitment of building occupants
- Lack of technical expertise



Funding Possibilities

- EPA Region 7 Environmental Education Grant www.epa.gov/region07
- Iowa Department of Natural Resources Solid Waste Alternatives Program (SWAP)

www.state.is.us/dnr/organiza/wmad/index.html



Funding Possibilities (continued)

- Iowa Conservation Education Council www.iowaee.org/ICEC.html
- Resource Enhancement and Protection www.iowaee.org/REAPgrantapp.pdf



New website

- LA School Operations

<http://dev.laschools.org/efm/mo/ipm>























