



Rich Township High School District 227

Integrated Pest Management Plan

Buildings and Grounds Office
300 Sauk Trail
Park Forest IL, 60466
708-679-6120

INTRODUCTION

Pests are populations of living organism (animals, plants, or microorganism) that interfere with use of healthcare and other facilities for human purposes.

Integrated Pest Management (IPM) is an approach that establishes a sustainable approach to managing pests by combining biological, cultural, physical and chemical tools in a way that minimizes economic, health and environmental risks.

Rich Township High School District 227 has adopted this Integrated Pest Management Plan for the buildings and grounds we own and manage. The plan outlines procedures to be followed to protect the health and safety of students, staff, and community members from pest and pesticide hazards. The plan is designed to voluntarily comply with policies and regulations promulgated by the Department of Agriculture for public buildings and health care facilities.

IPM is a pest management system that includes the following elements whenever possible:

- Identifying pests and their natural enemies;
- Establishing an ongoing monitoring and record keeping system for regular sampling and assessment of pest and natural enemy populations;
- Determining the pest population levels that can be tolerated based on aesthetic, economic and health concerns, and setting action thresholds where pest populations or environmental conditions warrant remedial action;
- Preventing pest problems through improved sanitation, management of waste, addition of physical barriers, and the modification of habitats that attract or harbor pests;
- Relying to the greatest extent possible on nontoxic, biological, cultural or mechanical pest management methods, or on the use of natural control agents;
- Using chemical pesticides, when necessary, with preference for products that are the least harmful to human health and the environment; and
- Record keeping and reporting of pest populations, surveillance techniques and remedial actions taken.

This IPM plan will be stored in the office of the IPM Coordinator.

IPM COORDINATOR

The Director of Buildings and Grounds shall be the Rich Township High School District 227 IPM Coordinator and be responsible to implement the IPM plan and to coordinate pest management-related communications between Rich Township High School District 227 Administration and stakeholders.

The Director of Buildings and Grounds shall designate an employee at each school facility to serve as the IPM Site Coordinator for the site. Currently the Building Foreperson at each school is the designated IPM Site Coordinator.

IPM REVIEW

The IPM Coordinator will be responsible for an annual review of the IPM Plan and resolving pest-related issues. The IPM Coordinator and Site Coordinators will meet annually as a committee to review the processes and procedures within the plan and update as needed.

IMPLEMENTATION

The following procedure is the minimum procedure to be implemented. It shall be expanded as needed under the direction of the IPM Coordinator in conjunction with an IPM consultant.

1. Inspection and Pest identification

Periodic and thorough inspection of key areas combined with the evaluation of staff pest sighting reports are critical to a successful IPM program. All other IPM actions build upon this foundation. A staff member, specialist with the school district, or a structural pest control technician, may do the inspections. This person must:

- identify or obtain an accurate identification of any specimen;
- know where the signs of pests are most likely to be found in the facility;
- be familiar with the many ways pests enter the facility;
- have access to all areas of the facility;
- talk to the staff person who filed the pest sighting report, evaluate the information, and make a decision on any subsequent action to be taken;
- be familiar with pesticide safety procedures and respond to emergency situations as needed;
- make written recommendations for upgrading of the facility and for changing procedures to diminish the entry of pests and/or to find harborage areas in the facility;
- note and provide corrective actions for potential pest problem and harborage areas including water and food sources;
- follow up on the recommendations and/or changes in procedures to confirm that they have been completed.

2. Monitoring and Record Keeping

Monitoring includes inspecting areas for pest evidence, entry points, food, water and harborage sites, and estimating pest population levels. This can be achieved using sticky traps, and physically observing pests or evidence of pests such as droppings, nests, or shed skins (exoskeletons). The information gained through monitoring is evaluated to determine whether the action threshold has been exceeded and what management methods will be employed. Monitoring will be done on a constant basis especially in areas where food is stored and allowed. A record of any complaint or sighting of a pest will be kept.

3. Injury Level Assessment

Assessment of injury level involves determining a tolerable level of the pest population. The pest population becomes intolerable when it results in intolerable aesthetic, medical, or economic damage.

4. Treatment Strategies.

A. Prevention

- a. In any area where food is kept, food shall be stored in pest proof containers.
 - b. Cracks, holes, and other openings shall be caulked, sealed, or screened to prevent pest entrance
 - c. If a site is having a pest problem, strict rules will be enforced designating eating areas and clean up procedures. Those rooms where food is permitted shall be cleaned frequently, organic garbage will be picked up and removed more frequently, and dirty dishes shall be cleaned promptly.
 - d. Students, parents, and staff shall be educated by flyers and available IPM materials.
- B. Non-Toxic Controls
- a. Habitat modification
 - b. Physical controls: manually picking, weeding, barriers, traps, glue boards, and mechanical action to destroy pests

C. Toxic Controls

While the goal of the IPM is to reduce pesticide use, pesticide application may become necessary when other methods fail. In such situations the most effective chemicals shall be chosen. Toxic controls shall be evaluated based on their safety, efficiency, pest resistance level, speed of action, repellency, and cost.

5. Action

After discovering a problem, the IPM coordinator should look at the entire situation and concentrate on the symptoms of the infestation, not necessarily the pests themselves. He or she should consider the cultural/sanitation practices, physical/mechanical controls, biological controls, and least toxic pesticides such as baits, gels, and traps available. Use of pesticides should be justifiable based on pest sighting logs, type of pest, and pest response to nonchemical methods. Pesticides should be a last resort technique with preference for products that are the least harmful to human health and the environment.

POSTING AND NOTIFICATION OF PESTICIDE APPLICATIONS

The IPM Coordinator shall be responsible for notification of planned and emergency applications of pesticides in facility buildings and on facility grounds.

When pesticide applications are scheduled Rich Township High School District 227 shall provide notification in accordance with law, including:

1. Posting a pest control information sign with the date, time and location of the application and the product applied in an appropriate area and including contact information for additional details.
2. Providing this information to all individuals working in the building.
3. Providing this information to all who have requested notification of individual applications of pesticides.

Where pests pose an immediate threat to the health and safety of students and staff, Rich Township High School District 227 may authorize an emergency pesticide application and shall notify by telephone any guardian who has requested such notification. Disinfectants, anti-microbial and self-contained or gel-type pesticide baits applied in inaccessible areas are exempt from posting, notification and the 7-hour reentry requirement.

RECORD KEEPING & PUBLIC ACCESS TO INFORMATION

Rich Township High School District 227 will maintain records of all Service Provider visits and pest control treatments for at least three (3) years. Information regarding pest management activities will be made available to the public upon a 48-hour notice to the Buildings and Grounds Office. Requests to be notified of pesticide applications may also be made to this office. All guardians will be informed of their option to receive notification of all pesticide applications at enrollment and once annually.

TRAINING

Rich Township High School District 227 employs pesticide applicators and operators who are trained and certified through the Illinois Department of Agriculture on pesticide applications. The certifications are valid for three (3) years upon which time the employee is to get re-tested and re-certified. The district applicators and operators are required to maintain their licensure throughout their employment.

GENERAL IPM STRATEGIES

Pest management strategies may include education, exclusion, sanitation, maintenance, biological and mechanical controls, and pre-approved, site-appropriate pesticides.

An Integrated Pest Management decision at Rich Township High School District 227 shall consist of the following steps:

1. Identify pest species.
2. Estimate pest populations and compare to established action thresholds.
3. Select the appropriate management tactics based on current on-site information.
4. Assess effectiveness of pest management.
5. Keep appropriate records.

Decisions concerning whether pesticides should be applied in each situation will be based on a review of all available options. Efforts will be made to avoid the use of pesticides by adequate pest proofing of facilities, good sanitation practices, selection of pest-resistant plant materials, and appropriate horticultural practices.

When it is determined that a pesticide must be used in order to meet pest management objectives, the least-hazardous material, adequate for the job, will be chosen.

No person shall apply, store, or dispose of any pesticide on Rich Township High School District 227 property without an appropriate pesticide applicator license. All pesticide applicators will be trained in the principles and practices of IPM and the use of pesticides approved for use by Rich Township High School District 227. All applicators must comply with the IPM policy and follow appropriate regulations and label precautions when using pesticides in or around Rich Township High School District 227 facilities.

RICH TOWNSHIP HIGH SCHOOL DISTRICT 227 SERVICE PROVIDERS

Service providers for pest control on Rich Township High School District 227 property will be guided by written and signed contracts. Service providers will be directed to provide special attention to pest-vulnerable areas including food storage, preparation and serving areas, washrooms, custodial closets, mechanical rooms, and entryways into the building.

Service providers or other IPM experts will be asked to provide input on any Rich Township High School District 227 facility renovation or reconstruction projects including reviewing plans for pest-conducive conditions, suggesting pest-proofing measures and inspecting construction where applicable to prevent and avoid pest problems.

RICH TOWNSHIP HIGH SCHOOL DISTRICT 227 STAFF ROLES

Rich Township High School District 227 administration will provide support to assist the IPM Coordinator in maintaining an IPM program that relies on minimal pesticide use. Such support will include efforts to promptly address any structural, horticultural, or sanitation changes recommended by the coordinator to reduce or prevent pest problems.

Furthermore, Rich Township High School District 227 administration will assist the Coordinator in developing and delivering materials and programs for staff, students, and the public to educate them about the importance of good sanitation and pest control.

Rich Township High School District Applicator and Operators

Operators:

Robert White – Rich East High School
Jesse Perez – Rich South High School
Darshay Ladd – Rich Central High School

Applicators:

Don Calgaro – Rich Central High School
Jerry Belseth – Rich South High School
Kevin Baffoe – District Wid

Pest Response Times

IPM pest response to a pest problem must be both timely and effective. However, the facility managers must recognize that some pest problems are more serious than others and pest problems that threaten the physical safety of students and/or staff should have a higher priority than the mere presence of a single nonthreatening bug.

Response by Pest Control Staff to Pest Problems

| Response Time | Condition | Pest |
|-------------------------|--|--|
| Within four hours | Potential physical harm to students or staff | Rodents where students or staff are likely to contact them; |
| | | Wildlife (raccoons, opossums, feral cats, bats, etc.) where students or staff are likely to contact them |
| | | Stinging or biting insects |
| One working day | Potential medical harm to students or staff | Fleas, lice, bed/bat bugs and poisonous spiders |
| One working day | Potential for food contamination | Cereal pests, roaches, rodents, ants in kitchen or food storage areas and flies around food. |
| One to two working days | Sighting of large numbers of nonthreatening bugs | Ant or termite colonies in the building; movement into the building of millipedes, crickets, Boxelder bugs, etc. |

The following Web sites offer pest identification and prevention / control measures for specific pests:

1. Illinois Department of Public Health's Prevention and Control Informational Sheets
<http://www.idph.state.il.us/envhealth/entpestfshts.htm>
2. Center for Disease Control's Pictorial Keys to Arthropods, Reptiles, Birds and Mammals of Public Health Significance.
http://www.cdc.gov/nceh/ehs/Pictorial_Keys.htm
3. U.S. Environmental Protection Agency IPM in Schools: A How-to Manual
<http://www.epa.gov/pesticides/ipm/schoolipm/index.html>

Letter To Parents and Staff Pest Control Procedures

Dear Parent/Guardian/Staff Member,

The Illinois Legislature passed SB0527 and SBO 529, amendment to the Structural Pest Control Act and the Illinois Pesticide Act that effect how pests are controlled in schools. The legislation effects the school in basically two ways:

- 1) Illinois Schools are required to adopt a pest control process called Integrated Pest Management or IPM.
- 2) Schools are required to notify staff, parents, and students prior to certain types of pest control applications.

Integrated Pest Management emphasizes inspection and communication with the school administration. The focus of the program is to identify and eliminate conditions in the school which could cause pests to be a problem. Application of pest control materials are made only when necessary to eliminate a pest problem. **Regular applications are not part of the program.**

The school district has contracted from structural IPM services and has had IPM programs in place in schools they service. If you have questions about information and services please contact Kevin Baffoe, Director of Buildings and Grounds, at 708-679-6120.

If it becomes necessary to use any pest control products other than traps or bait, notices will be posted three days before application. The only exception would be if there are immediate threats to health or property. The notice will be posted as soon as practical.

If you would like to receive notification prior to the application of any pest control materials subject to the notification requirements, please complete the below information and return it to the Buildings and Grounds Office.

OPTIONAL

I WOULD LIKE TO BE NOTIFIED BEFORE THE APPLICATION OF PESTICIED AT THE SCHOOL. I UNDERSTAND THAT IF THERE IS AN IMMEDIATE THREAT TO HEALTH OR PROPERTY THAT REQUIRES TREATMENT BEFORE NOTIFICATION CAN BE SENT OUT, I WILL RECEIVE NOTIFICATION AS SOON AS PRACTICAL.

NOTE: ALL SPACES MUST BE FILLED OUT

Student ID # _____ Campus _____

Student Name (Please Print) _____

Parent/Guardian Signature _____ Date _____