

**Integrated Pest Management Plan
General Pest Control**

**WHEATLAND SCHOOL DISTRICT
111 Main Street
Wheatland, CA 95692**

(530) 633-3130

Pests to be Controlled

Pest control services which can be performed in the General Pest Control category includes cockroaches, ants (other than carpenter ants), winged termite swarms emerging indoors, incidental/occasional invaders including bees & wasps entering from out of doors, and flies and other arthropod pests. Populations of these pests that are located immediately outside of a specified building and pose a possible infestation problem to that building are included.

General

All facilities in the Wheatland School District will be inspected by Shackelford Pest Control (PCO) – Owner, Robert Shackelford Jr., for the purpose of identifying potential problem areas that may be contributing to pest infestation within the facility, making recommendations for corrective measures that should be implemented and developing a comprehensive integrated pest management (IPM) plan. The IPM plan will utilize all methods of pest control, which may include structural maintenance, sanitation, monitoring for pest populations, mechanical and biological control, and the judicious use of pesticides. These methods will help to eliminate food, moisture and harborage for pests, making their survival more difficult.

Pesticide maintenance is provided monthly by Shackelford Pest Control (PCO) at all District facilities to keep pest populations at or below an acceptable level. As required, a 72 hour notice/posting of pesticide maintenance and spraying is done at each facility that will be treated. In the event that a 72 hour posting was not done, pest control maintenance/spraying will be rescheduled, until proper notice is posted. The selection of pesticides that may be used will be based on a pre-determined hierarchy, which will utilize least toxic products as first choice. Proper implementation of this program will reduce the volume, toxicity and frequency of application of pesticides, thereby reducing the risk of potential exposure of building occupants who may be sensitive to their use.

Shackelford Pest Control (PCO) and Gary Hawk (COR) – The Director of Maintenance and Operations for the Wheatland School District shall meet to discuss areas that have been problematic or sensitive. Areas that are sensitive to pesticide use will also be discussed.

Once these areas have been identified, the PCO and COR will discuss various pest control options and determine the speed of control necessary as well as threshold/action levels based on pest population and species.

Recommendations

Shackelford Pest Control (PCO) will submit recommendations for corrective measures in writing to Gary Hawk, Wheatland School District Director of Maintenance and Operations (COR) prior to the application of any pesticides. Gary Hawk (COR) is responsible for scheduling and coordinating structural maintenance of the facility and will act on the recommendations as soon as possible. Gary Hawk will report in writing which recommendations will not be followed and state the reasons if no action is to be taken as required by RCSA Sec.22a-66I-1(c). Otherwise, all IPM methods that are recommended will be followed.

Pest control services will be supervised by Gary Hawk (working on *certification number did not receive info about this plan from the California Environmental Protection Agency until March 18, 2015*), and performed by Wheatland School District maintenance/grounds and custodial staff (*working on-certification number(s) and Shackelford Pest Control Company*). The IPM program will begin on July 1, 2015. The Wheatland School District has routinely contracted out maintenance of pest control services on a regular basis (monthly at all sites). Subsequent service calls will be performed once a month or as needed depending upon pest pressure. Service calls will be scheduled well in advance (as to meet the 72 hour required posting) and will include a visual inspection of potential problem areas and monitoring devices, application of pesticides where pest populations exceed their threshold levels. Records will be completed at the conclusion of each service call and will include written recommendations of corrective measures that need to be made by building maintenance personnel. A member of the District staff will be available to allow the pest control technician to access areas that may be locked.

Records

The pest control technician will indicate pest problem areas and provide written recommendations for structural, sanitary or procedural modifications on "Pest Control Service Record and Pest Inspection Report" forms or substantially similar substitute. These forms will be kept in a file that will be maintained in Gary Hawk's (COR) office. Gary Hawk will act as a liaison between the pest control company and department supervisor(s)/custodians/maintenance/grounds and will be responsible for notifying the appropriate personnel of corrective actions that are needed (i.e.; sanitation).

The pest control technician at the beginning of each service call will review Pest sighting report logs provided by name of PCO. The log will be maintained in the Director of Maintenance and Operations office (COR) and will serve as a tool to facilitate communication between all personnel and the pest control technician. *All* pest sightings should be reported in the logs and should include specific information as to the location and type of pest, if known. Whenever possible, a sample of the insect will be provided to the pest control technician for identification purposes.

Monitoring

Service call/monitoring inspections will be limited to *list specific areas that will be inspected - (i.e.; kitchen, kitchen storage, dish room, laundry room, cafeteria, employee lounge, custodial closets, locker rooms, main office, hallways, utility/electrical room)* and the perimeter of the building unless pest activity or sightings in other areas have been reported in the pest sighting log.

Glueboards will be used for the duration of the IPM program to monitor pest populations and activity. They will be placed in areas where pest activity has been identified or is likely to occur. The dates of installation and servicing will be indicated on each monitor and the pest control technician will create diagrams or maps indicating their placement. The diagrams will be maintained as part of the pest control company's service record. Visual inspections of the glueboards will help the pest control technician to identify specific areas of infestation, if any, and assess the need for further action. The glueboards will be placed as follows;

List specific areas - (i.e.; Kitchen (2 traps), Kitchen Storage – (2 traps), Laundry Room – (1 trap), Cafeteria – (1 trap), Employee Lounge – (1 traps), Custodial Closets – (1 trap), Main Office – (1 trap) and electrical/utility room – (1 trap). The pest control technician may also use flushing agents such as or as an inspection tool during monitoring visits.

Pests

Cockroaches

Due to the fact that German cockroaches can reproduce rapidly, have been attributed to causing asthma and are known to translocate bacteria and viruses to food and preparation surfaces, their control will be a high priority. Other cockroach species are also of concern and measures will be taken to reduce or eliminate their populations whenever possible. At this time, the Wheatland School District has never had a cockroach problem.

Still, close and careful attention are given to eliminating conditions that are conducive to pest infestation. All pests need food, moisture and harborage. By eliminating one or more of these, it is more difficult for pests to survive. Also, pests reproduce at a slower rate when conditions are not conducive for their survival.

Food, paper goods and other supplies are visually inspected upon arrival for cockroach infestation. Cockroaches will often hide in the corrugation of cardboard boxes. Supplies are unpacked and stored properly and their shipping cartons disposed of as soon as possible.

Sanitation and elimination of moisture sources is also an important factor in cockroach control. Areas where food is prepared and consumed will be swept or vacuumed daily. Particular attention will be given to areas underneath counters and appliances. Food residue will be washed off of any preparation surface or equipment and sanitized. Grease residues are eliminated as much as possible as it is a food source and will render some pesticides ineffective. Bulk foods should be stored in tightly covered bins. Moisture sources have been eliminated as much as possible by repairing faucets, drying sinks and counters at the end of each day.

Sample for Light to Moderate Cockroach Population:

If 3-5 cockroaches are observed during any monitoring visit in any one area, bait stations will be placed according to the product label recommendations.

The bait will be utilized along with glueboards for monitoring purposes and will be replaced as needed during regular monitoring inspections.

****Note:** Pesticide baits could be used for monitoring purposes in situations where no cockroaches have been observed but the likelihood of infestation is greater (i.e.; institutional kitchen). The amount of bait consumed will indicate pest activity and will be the first step to control the problem. Again, the Wheatland School District has not had a cockroach problem.

Sample for Moderate Cockroach Population:

Due to moderate to heavy infestation of cockroaches (6-10 cockroaches observed in one area), an intensive crack and crack & crevice treatment will be performed using or . Bait stations will be placed throughout the infested area once the crack & crevice application has been completed. Glueboards will also be used for monitoring purposes. Bait stations may be applied in adjoining rooms where conducive conditions may also exist. The infested area will be re-inspected *weekly* and baits and glueboards will be replaced as needed. If the pest population has not decreased after six weeks have passed, re-treatment may be performed. Every effort must be made by the facility to eliminate conditions that are conducive to infestation.

****Note:** It is imperative that recommendations made by the pest control company be implemented as soon as possible. The recommendations are likely to include improving sanitation, modifying storage practices or caulking cracks or voids where cockroaches may hide.

Sample for Heavy Cockroach Infestation:

Due to heavy cockroach infestation (10+cockroaches observed in one area during inspection) an intensive crack and crevice treatment will be performed. Dust may also be applied to ceiling, wall and/or floor voids.

Treated voids should be patched/plugged/caulked as soon as possible to eliminate harborage sites. Consideration will be given to applying a fogging insecticide in conjunction with the other pesticides listed. Glueboards will be placed appropriately for monitoring purposes. The area will be monitored *weekly* and re-treatment may be performed if the cockroach population remains high. Once the intensive treatments have been completed, or bait will be placed in the area according to pesticide label directions. The infested area will be re-inspected weekly and baits and glueboards will be replaced as needed. Implementation of these pest control methods will require written consent of the Gary Hawk (COR).

****Note:** This type of treatment, particularly fogging, may only be appropriate in areas where there is an absolute zero tolerance for infestation and speed of control is essential (i.e.; hospital operating room).

Ants

Ants and many other pests are excluded by caulking and patching cracks and voids in the walls, floors and sidewalks. Branches of trees and shrubs should be trimmed away from the building to eliminate pest access. Organic matter, wood debris and other trash should be raked away from the foundation wherever possible. If ants are seen within the building, they will usually be foraging for food. The pest control technician will properly identify the pest ant species and any conditions that may be conducive to infestation. Proper identification enables the pest control technician to determine appropriate measures of control for the particular ant species. Also, the pest control technician will attempt to locate nest location(s). Written recommendations will be made to correct conducive conditions. Depending upon the ant species and where they are seen, bait stations such as or may be utilized within the building. Ants outside of the building may be treated using baits such as or, however, steps should be taken to eliminate conducive conditions as much as possible. A crack & crevice application of a or dust may be made in walls or other voids only if it has been determined that ants are nesting in a particular location.

Occasional Invaders & Bees/Wasps

Pesticide applications will not be performed to control occasional invaders unless they present an immediate health hazard or are unduly disruptive. The pest control technician will identify the pest and make recommendations to correct conditions that are conducive to infestation. Pests that are occasional invaders may include drain flies, fungus gnats, earwigs, spiders, sowbugs and centipedes. Improving sanitation and removing organic debris, which will reduce their food supply, can usually control them. Elimination of moisture sources is also helpful.

Pests that may pose an immediate health threat such as bees and wasps will be treated using a or spray product. or dust may be used where nests are located underground or in a wall void.

Complaints of unseen biting insects will be investigated, however, no pesticide will be applied unless the pest has been identified and no other pest control options are available.

Stored Product Pests

Stored product pests can usually be controlled with proper sanitation, storage and inventory control. Products should be stored in clean airtight containers. The products should be checked frequently for signs of infestation and disposed of if infested. A crack and crevice application of or may be applied if it is determined by the pest control technician and COR that residual control would be beneficial.

Pesticide Plan

Pesticides may be applied if pest populations exceed an acceptable level. Priority is given to those pesticides having the lowest toxicity, taking into consideration the method and frequency of application and the risk of exposure to building occupants. Pesticides selected for possible use are as follows;

First Choice (*Products having the lowest toxicity and/or least risk of exposure based on the formulation, method and frequency of application.*)

Flushing Agents

Not used/applied by School District Staff. Pest Control company is notified if needed

Baits

- a) Raid Ant Baits III

Dusts

Not used/applied by School District Staff. Pest Control company is notified if needed

Crack & Crevice Sprays

- a) Raid Ant and Roach Killer –LD 50 and LC 50
- b) Spectricide wasp and hornet killer LD 50 and LC 50
- c) Ranger Pro herbicide LD 50 and LC 50
- d) Honcho Plus herbicide LD 50 and LC 50

First Choice *(Continued)*

Rodenticide *(Outdoor use only)*

- a) Amdro Gopher Gasser

Third Choice *(Products having moderate to high toxicity and/or risk of exposure based on the formulation, method and frequency of application.)*

Use of any third choice pesticide product requires written approval of COR prior to application.

General Sprays or Fogs

- a) Raid Concentrated Deep Reach Fogger

Rodenticides (Interior Use)

- a) Glueboards

An appraisal of this IPM program will be conducted bi-monthly by Gary Hawk (COR) and Robert Shackelford Jr. (dba- Shackelford Pest Control) . A determination will be made as to the effectiveness of the program and revisions will be made to correct potential problems.

School District Integrated Pest Management Plan

When completed, this template meets the Healthy Schools Act requirement for an integrated pest management (IPM) plan. An IPM plan is required if a school district uses pesticides¹.

Contacts

Wheatland School District 111 Main Street
School District Name Address
Gary Hawk 530-682-5903 ghawk@wheatland.k12.ca.us
District IPM Coordinator IPM Coordinator's Phone Number Email Address

IPM statement

It is the goal of Wheatland School District to implement IPM by focusing on long-term prevention or suppression of pests through accurate pest identification, by frequent monitoring for pest presence, by applying appropriate action levels, and by making the habitat less conducive to pests using sanitation and mechanical and physical controls. Pesticides that are effective will be used in a manner that minimizes risks to people, property, and the environment, and only after other options have been shown ineffective.

Our pest management objectives are to: *(Example: Focus on long-term pest prevention)*
Focus on pest prevention and management while making sure that our students and employees are safe.

IPM team

In addition to the IPM Coordinator, other individuals who are involved in purchasing, making IPM decisions, applying pesticides, and complying with the Healthy Schools Act requirements, include:

Name and/or Title	Role in IPM program
Craig M. Guensler	Superintendent-Decision Making
Jose Ramos	Grounds-Applying Pesticides/Herbicides
Chuck Neep	Grounds-Applying Pesticides/Herbicides
Brian Amsbaugh	Maintenance
Chad Clark	Maintenance

Pest management contracting

- Pest management services are contracted to a licensed pest control business.
Pest Control Business name(s): Shackleford Pest Control
- Prior to entering into a contract, the school district has confirmed that the pest control business understands the training requirement and other requirements of the Healthy Schools Act.

Pest identification, monitoring and inspection

Pest Identification is done by: School District Staff and Shackleford Pest Control
(Example: College/University staff, Pest Control Business, etc.)

Monitoring and inspecting for pests and conditions that lead to pest problems are done regularly by Maintenance, Grounds staff and results are communicated to the IPM Coordinator.
(Example: District staff title, e.g. Maintenance staff)

Specific information about monitoring and inspecting for pests, such as locations, times, or techniques include:
(Example: Sticky monitoring boards are placed in the kitchen and are checked weekly by custodial staff.)
Sticky glueboards are placed in food areas and various areas and are checked weekly.

Pests and non-chemical management practices

This school district has identified the following pests and routinely uses the following non-chemical practices to prevent pests from reaching the action level:

Pest	Remove food	Fix leaks	Seal cracks	Install barriers	Physical removal	Traps	Manage irrigation	Other
Ants (seldom)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Contact Shackleford Pest Control
Mosquitos	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Foggers/Contact Pest Control Company
Gopher	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Flush with water
Bees	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Contact Pest Control Company
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Chemical pest management practices

If non-chemical methods are ineffective, the school district will consider pesticides only after careful monitoring indicates that they are needed according to pre-established action levels and will use pesticides that pose the least possible hazard and are effective in a manner that minimizes risks to people, property and the environment.

This school district expects the following pesticides (pesticide products and active ingredients) to be applied during the year. (This list includes pesticides that will be applied by school district staff or licensed pest control businesses.):

See list on the Integrated Pest Management Plan

Healthy Schools Act

- This school district complies with the notification, posting, recordkeeping, and all other requirements of the Healthy Schools Act. (Education Code Sections 17608 – 17613, 48980.3; Food & Agricultural Code Sections 13180 – 13188)

Training

Every year school district employees who make pesticide applications receive the following training prior to pesticide use:

- Pesticide specific safety training (Title 3 California Code of Regulations 6724)
- School IPM training course approved by the Department of Pesticide Regulation (Education Code Section 16714; Food & Agricultural Code Section 13186.5).

Submittal of pesticide use reports

- Reports of all pesticides applied by school district staff during the calendar year, except pesticides exempt¹ from HSA recordkeeping, are submitted to the Department of Pesticide Regulation at least annually, by January 30 of the following year, using the form provided at www.cdpr.ca.gov/schoolipm. (Education Code Section 16711)

Notification

This school district has made this IPM plan publicly available by the following methods (check at least one):

- This IPM plan can be found online at the following web address: www.wheatlandsd.com
- This IPM plan is sent out to all parents, guardians and staff annually.

Review

- This IPM plan will be reviewed (and revised, if needed) at least annually to ensure that the information provided is still true and correct.

Date of next review: May 2016

I acknowledge that I have reviewed this school district's IPM Plan and it is true and correct.

Signature: Harold Hauke

Date: 4/22/15

¹ These pesticides are exempt from all Healthy Schools Act requirements, except the training requirement: 1) products used in self-contained baits or traps, 2) gels or pastes used as crack and crevice treatments, 3) antimicrobials, and 4) pesticides exempt from U.S. EPA registration. (Education Code Section 17610.5)