



DERBY PUBLIC SCHOOLS

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Derby, Connecticut 06418

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INTERATED PEST MANAGEMENT PLAN

Derby Public Schools

Derby, CT 06418

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 swarmer's 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

DERBY PUBLIC SCHOOL BUILDINGS will be inspected by YALE PEST CONTROL (PCO) 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. Pesticides will not be applied on a routine basis, however, they may be used as a tool to maintain pest populations at or below an acceptable level. 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.

The PCO and YALE PEST CONTROL – Contracting Officer’s Representative (COR) shall meet to discuss areas that have been problematic or sensitive. (i.e. ; operating rooms, prisons or areas where there is a history of high pest pressure) Areas that are sensitive to pesticide use will also be discussed. (i.e. ; day care areas, elderly residence, work area of sensitive employees, etc.)

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

YALE PEST CONTROL PCO will submit recommendations for corrective measure in writing prior to the application of any pesticides. He/she (COR) is responsible for scheduling and coordinating structural maintenance of the facility and will act on the recommendations as soon as possible. He/she 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-661-1(c). Otherwise, all IPM methods that are recommended will be followed.

Pest control services will be supervised by YALE PEST CONTROL. The IPM program will begin in JUNE. Subsequent service calls will be performed monthly or as needed depending upon pest pressure. Service calls will be scheduled after school hours, 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 custodial staff should 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 responsible individual (COR) office. He/she will act as liaison between the pest control company and department supervisor(s) and will be responsible for notifying the appropriate personnel of corrective actions that are needed (i.e. ; sanitation).

Pest sighting report logs provided by PCO will be reviewed by the pest control technician at the beginning of each service call. The log will be maintained in office 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 kitchen, cafeteria, employee lounge, custodial closets, locker rooms, main office, hallways on ground and main floors, boiler 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 keep records. 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.

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.

Close and careful attention should be 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 should be visually inspected upon arrival for cockroach infestation. Cockroaches will often hide in the corrugation of cardboard boxes. Supplies should be 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 should be swept or vacuumed daily. Particular attention should be given to areas underneath counters and appliances. Food residue should be washed off of any preparation surface or equipment. Grease residues should also be 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 should be 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 and monitoring visit in any one area, bait such as MAX FORCE Fc or ADVION ROACH GEL will be placed according to the product label recommendations. The bait will be

utilized along with glue boards 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.

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 MAX FORCE Fc or ADVION ROACG GEL. 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 respected 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 using MAX FORCE FC or ADVION. 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. 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 responsible individual (COR).

Ants

Ants and many other pests can be 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 will enable 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 MAX FORCE / ADVION or NIBAN FC may be utilized within the building.

Ants outside of the building may be treated using baits such as MAX FORCE / ADVION or NIBAN FC, however, steps should be taken to eliminate conducive conditions as much as possible.

A crack & crevice application of a MOTHER EARTH DE dust 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, sow bugs and centipedes. They can usually be controlled by improving sanitation and removing organic debris which will reduce their food supply. 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 LIQUID such as Transport or DE dust may be used where nests are located underground or in a wall void.

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 & crevice application of TRANSPORT 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

_____ a) _____

b) _____

c) _____

Baits

a) Max Force Fc

b) Advion Roach

c) Advion Ant

d) Max Force Ant

e) _____

Dusts

a) Mother Earth D

b) b) _____

Crack & Crevice Sprays

a) Transport

b) _____

c) _____

Rodenticide (Outdoor use only)

a) Generation

b) _____

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

Crack & Crevice Sprays

a) n/a _____

b) _____

c) _____

d) _____

e) _____

f) _____

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

Spot Treatments – (Surface treatment to an area no larger than 2 square feet)

A) Transport

b) _____

General Sprays or Fogs

a) _____

b) _____

c) _____

Rodenticides (Interior Use)

A Generation

b) _____

An appraisal of this IPM program will be conducted yearly A determination will be made as to the effectiveness of the program and revisions will be made to correct potential problems.

NOTICE OF PESTICIDE APPLICATIONS AT SCHOOLS

Dear Parents/Guardians and Derby Board of Education Employees:

Connecticut Public Act 99-165 requires the Derby Public Schools to adopt a program regarding the application of pesticides in schools and on school grounds. Information regarding this program shall be distributed annually to all employees and to parents/guardians of students enrolled in the Derby Public Schools.

Whenever it is deemed necessary to apply a pesticide, it will be done during a period when school is not in session and there are no planned activities on school grounds. However, an emergency application may be made to eliminate an immediate threat to human health if (1) it is necessary to make the application during such a period and (2) such emergency application does not involve a restricted use of pesticide, as defined in section 22a-47 of the Connecticut General Statutes. Individuals will not be allowed to enter an area where such application has been made until it is safe to do so according to the provisions on the pesticide label. All individuals applying pesticides will hold the proper State of Connecticut certificates.

Public Act 99-165 also allows for the notification of employees and parents/guardians of students prior to the application of any pesticide. Anyone who wishes to be notified may register to receive notice by completing the bottom portion of this page and returning it to the building principal.

REGISTRATION FOR PESTICIDE NOTIFICATION

If you wish to be notified prior to any application of pesticides, please complete and return this form to Derby Public Schools Facilities 35 Fifth St. Derby, CT 06418

Students' Name: _____ **School** _____

Parent/Guardian Name: _____

Home Address: _____

Home Tel. # _____ **Fax #:** _____ **E-mail:** _____

Signature

Date