

ENVIRONMENTAL MANAGEMENT PROGRAM

1. PROGRAM NAME: NIEHS Pesticides Program

2. Significant Environmental Aspect(s):

Toxic Releases
Soil or Groundwater Contamination

3. Document Control Code:

EMP-2007-Pesticides

4. Date:

November 19, 2007

5. Program Lead:

CMB, Quality Assurance Laboratory; Julius Thigpen,
Pest Control Officer

6. Goals and Objectives

Five-year Goals(s)	Annual Objective(s)	Performance Indicator(s)	Resource requirements
Establish a coordinated Integrated Pest Management Program that encompasses the activities of the NIEHS, NIH/ORF and EPA on the Main Campus in RTP, NC.	Maintain compliance with EPA FIFRA regulations	Inspection reports from the NC Dept. of Agriculture Pest Control Division	Current resources
Establish mechanisms of communication with appropriate local entities (e.g., Ag Extension, universities) to learn about new and emerging issues concerning pests and their control.	Minimize reliance on chemical – based methods of pest control	Frequency and type of pesticide use	Current resources

7. Reason(s) for Significance:

- Potential human health impact
- Potential environmental impact
- Legal and regulatory requirements

8. Potential Environmental Impacts:

- Possible soil or groundwater contamination from spills or misapplications
- Possible aquatic and wildlife impacts

9. Legal and Other Requirements (Specify):

- Federal – EPA regulations under the Federal Insecticide, Fungicide and Rodenticide Act (FIFIRA)
- State of North Carolina regulations

10. Program Description:

The NIEHS pest control program involves the following areas: a) control of pests inside the animal facilities, b) control of pests inside Building 101 including the cafeteria, and all other buildings, and c) control of outside pests on NIEHS grounds - birds, wild rodents, etc. Dr. J. E. Thigpen (certified in the control of structural, wood destroying and ornamental and turf pests by the State of North Carolina) is Pest Control Advisor on the work performed in all areas and acts as advisor on the control of pests in the NIEHS child care center and on NIEHS grounds and shrubbery, etc. The objective of the program is to use chemicals only when absolutely necessary and in a manner that is safe for our environment, to NIEHS personnel, animals and experimental studies.

11. Operational Controls

Activity	Control(s)	Responsible Person(s)	Monitoring	Records	Comments
Identification of pest problems and use of pest control agents and techniques	Adherence to integrated pest control principles. No "Restricted Use" pesticides are used. Pest control agents are evaluated and approved prior to use.	NIEHS Pest Control Officer	Several pest monitoring reports are completed each month. Program and records are inspected annually by the N. C. Dept. of Agriculture (Pest Control Division)	The date of application, chemical, concentration, method of application, target pests, and area treated are all recorded and filed in the QAL.	
Pest problems in animal rooms	Live traps and non-toxic monitoring stations used to detect pest problems in animal rooms, procedure/necropsy areas, storage areas, washrooms, receiving areas and animal facility offices.		The animal facilities, feed and bedding storage areas and animal support areas are monitored daily for pest problems. Periodic program evaluations by the ACUC and during AAALAC site visits		
Pest problems outside of the animal rooms (ants, roaches, wasps, spiders, snakes, flies, wild rodents, etc.)	Pesticides may be used only when other methods are not successful or economical. Wild rodents live trapped when possible		Monthly surveys are conducted of outside areas adjacent to the animal facilities.		

	and examined for pathogenic <u>bacterial</u> , <u>viral</u> , <u>mycoplasmal</u> and <u>parasitic</u> agents.				
	No pesticides used in laboratories without prior approval from investigators.				

12. Action Plan: Structure, Authorities, Responsibilities

Targets/Milestones to meet Annual Objective(s)	Timeframe	Responsibility
Apply pesticides in accordance with FIFRA regulations	As needed to control pests	Pest Control Officer, Julius Thigpen, PhD
Track pesticide usage	Annual	Pest Control Officer, Julius Thigpen, PhD

13. Relevant Document(s)

Document Name	Location	Document Custodian
NIEHS Pest Control Program	CMB	Pest Control Officer, Julius Thigpen, PhD

14. Competence of persons responsible

Title	Basis for Competence
Pest Control Officer	Professional level education and experience, Certified pesticide applicator

15. EMS Review

Name / Signature:	William K. Steinmetz
Date:	November 29, 2007