

Communicate the details professionally  
Follow up thoroughly to avoid a re-flaring of the problem

Equipment: Steri-Fab® Insecticide  
Prozap® Insect Guard Jr. Pest Strips  
Plastic Containers  
Storage Container(s)  
Ziploc Bags  
Rolls of Trash Bags  
Vacuum Cleaners with HEPA filtration

Resource: Bed Bug Dog – Ehrlich  
Doug Crawford  
717-669-1412

Responsibility: Departments Involved:  
Residence Life  
Campus and Building Services  
Facility Services  
Marketing and Communications  
Health Services

Procedure: Handling of bed bug reports should be as follows:

Step   Action

1. To determine what bugs are in the apartment/room (see attachment F for Flow Chart)
  - a. Calls about bed bugs should be directed immediately to the Director of Housing.
  - b. The Director of Housing will gather information from the students to determine what course of action needs to be taken (using the template located at M: drive /Housing Bugs/Bug Question Template – Attachment D)
  - c. When the Director of Housing determines that a room check is needed, immediately contact X6011 and Facilities Assistant to check room. (steps b & c may happen simultaneously)
  - d. Our preferred method is to handle this issue during regular hours. However, if an issue arises **off hours**, then do the following
    - i. The RD on Call should perform duties described in 1.b. above,
    - ii. If a bed bug search is needed
      1. Call Facilities Assistant
      2. If Facilities Assistant is not available, then call on campus C&BS Staff/Weekends
    - iii. C&BS Staff supervisory team on all shifts will be trained annually in January by the Facilities Assistant on how to search for bedbugs
    - iv. The C&BS supervisory team will have a list of mattress and bag locations in the North and South Complexes, so mattress switches can be made
  - e. If bedbugs are found at any point, move to #2
  - f. If bedbugs are not found and there are bites
    - i. Nursing Practitioner Visit—if NP determines the bites are likely from bed bugs, move to #2 and do treatment
    - ii. If multiple suspected rooms, arrange for a Bedbug Dog visit
    - iii. Ehrlich visit within 3 days, if recommended
    - iv. Housing meeting follow up for next 3 weeks
    - v. C&BS provide: hepa vac, large trash bags, change mattress
  - g. If no bedbugs are found
    - i. Ehrlich check during next scheduled visit
    - ii. Director of Housing follows up weekly via email
    - iii. C&BS provide items as necessary to provide comfort (see point 1.f.v. above)

2. Exterminating Bed Bugs (once identification has been made)
  - a. The Facilities Assistant will contact the pest company (Ehrlich) ASAP or at the latest within 1 business day of finding a bug
  - b. The Facilities Assistant will coordinate help from professional staff (Facilities and Residence Life)
  - c. Email or call C&BS Res Hall Supervisor (x2549) and ask for a roll or couple of rolls of large plastic bags, bins (stored in Kelly B2) and the vacuum cleaner (HEPA filtered) with disposable bags to be delivered to the room/apt. (The students vacuum after treatment)
  - d. The Facilities Assistant (with a PA Pesticide Applicators License) will retrieve pest strips from the Lenhart Supply and will place the strips in the bins and bags containing the students' un-washable items
  - e. Talk with the C&BS Worker and the Res Hall Supervisor to make sure protocol has been followed
  - f. Call Ehrlich and see when they can come out to treat room/apt. Set up for around 10:00 a.m. so students can return around mid-afternoon
  - g. Contact the Director of Housing with all the above details and when spraying will be done. The Director of Housing will notify the RD of the building
  - h. Please Note: Surrounding infested rooms may also need to be prepared for treatment and treated as well
  - i. All furniture must be moved away from the walls so Ehrlich can come in and spray cracks and crevices, and carpeting  
Campus & Building Services can assist with the disassembling of furniture
  - j. All wall/ceiling mounted items may need to be removed. This will be determined by our Ehrlich Rep. This will be completed by Facility Maintenance
  - k. All infested personal furniture must be disposed of, if necessary, before treatment and replace any mattresses that were infested after treatment is completed
  - l. If more than one room/apt are involved or if students are requesting relocation, contact the Director of Housing to relocate students. Relocating should be avoided as much as possible, due to possible spread of bed bugs.
  - m. Contact the Vice President of Operations to handle all public relations related issues/communication
  - n. Send information through email to distribution list that includes the following:
    - i. Facilities Administrative Assistant
    - ii. Facility Services Administrative Coordinator
    - iii. Facilities Assistant
    - iv. C&BS Manager
    - v. C&BS Res Hall Supervisor
    - vi. Director of Facilities
    - vii. Assistant Director, Physical Plant
    - viii. Dean of Students
    - ix. Director of Residence Life
    - x. Director of Housing
    - xi. Assistant Director of Buildings and Grounds
    - xii. Coordinator of Health Services
  - o. If a number of rooms are affected the Facilities Assistant will:
    - i. Coordinate with the Facilities Project Manager to order storage trailers if necessary
    - ii. Coordinate with Campus & Building Services and Residence Life to move containers to and from large storage containers
3. Communicating with the students involved:
  - a. Residence Life will contact the student(s) and give them the following information:
    - i. The Director of Housing and the RD for their building has been notified and will be contacting them
    - ii. Tell the students to remove all their bed linens, wash (in hot water if possible and dry them for one hour on the hottest setting)
  - b. The Director of Housing will work with the RD to serve as the liaisons with the students. The RD will:
    - i. Meet with the students and distribute the "Student Bed Bug Information & Checklist" (See Attachment C) which explains all the details of packing, treatment, unpacking and laundry, etc.
    - ii. Tell the students to remove all items from the floor, and place items in plastic bags. A Facilities Employee who has a pest control applicators license will place pest strips in bags and seal them. (The pest strip needs to stay in the closed plastic bag for at least 48 hours)
    - iii. Assist students with packing and labeling their belongings, if needed
    - iv. RD will physically go and check the room/apt to make sure the floor is completely clear of students' personal belongings, and all items are bagged in plastic bags with pest strips. Make sure computers and all electronic equipment are turned off and unplugged. Make sure no fish or plants are in room/apt. Make sure furniture is moved approximately 1 ½ - 2 feet away from the walls
    - v. If one room/apartment is involved the RD will communicate with the students involved (and the rooms/apts surrounding it) and will contact the point person. If more than one room/apartment is displaced, the Director of Housing will work with Res Life staff and Campus & Building Services

c. The Director of Housing will:





**Attachment C**  
**STUDENT BED BUG INFORMATION & CHECKLIST**

Place all clothing, books and other belongings (including pillows, stuffed animals, suitcases/duffle bags) from dressers, desks, closets, walls and floors into bags or plastic containers. Remove all items from walls and place in plastic bags or containers. Contact RD to call Campus & Building Services who will have a licensed Facilities Employee place pest strips in the container/bag. Pest strips must stay in sealed container/bag for at least 48 hours to be effective. After at least 48 hours the licensed Facility employee will return to remove the used pest strip as per the packaging instructions.

Throw out all cardboard boxes.

Throw out pillows if heavily infested.

Wash and dry all clothes and bed linens in hot water and dry on high heat for at least one hour. If clothing cannot be washed, place it in a plastic bag and take it to the dry cleaner and tell them you have bed bugs.

Check with Residence Life staff about personal furniture – to determine if it needs to be disposed of, i.e., couches and other upholstered furniture.

Move all furniture away from the wall approximately 1 ½ - 2 feet. Disassemble all furniture. Contact Campus & Building Services if help is needed.

Remove hanging items from walls. Facility Maintenance may be visiting to remove mounted items from walls.

**Attachment D**  
**BUG QUESTION TEMPLATE**

**Room/Apt #**

**Cell #**

**Student Name, ID #**

**Student Name, ID #**

**Student Name, ID #**

**Student Name, ID #**

- Person who receives phone call about bugs call student(s) and records all details on "M" drive in the Housing Bugs folder. Save as specific building and room number. The following must be recorded: exact date and time of interview, details of what was said, all student names and ID numbers in apartment/room (as seen above), and exactly what students saw where and what time. Send email with pertinent information to distribution list (see below).
  
- Record any items to be reimbursed, i.e., replacement items, meals, etc.
  
- Record treatment dates, including follow-up treatment date.
  
- Record RD and Campus & Building Services names you were working with, and any other Messiah staff members you were working with.
  
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**Attachment E  
Bed Bug Facts**

**What do bed bugs look like?**

***Adult bed bugs are flat, less than ¼ inch, broadly oval, wingless bugs. They are reddish-brown in color. Baby bed bugs are transparent.***

**What do bed bug bites look like?**

***Bed bug bites are similar to mosquito bites, but there may be severe swelling that extends beyond the bite area in highly sensitive individuals. Approximately 20% of the population will show no reaction to the bite.***

**Do bed bugs transmit disease?**

***There is no conclusive evidence that bed bugs transmit disease to humans.***

**Where do they hide?**

***Bed bugs typically can be found around mattress buttons and binding, in box springs or their coverings, and in any crack and crevice of bed frames, furniture, and walls. They come out to feed at night.***

**What is the history of bed bugs?**

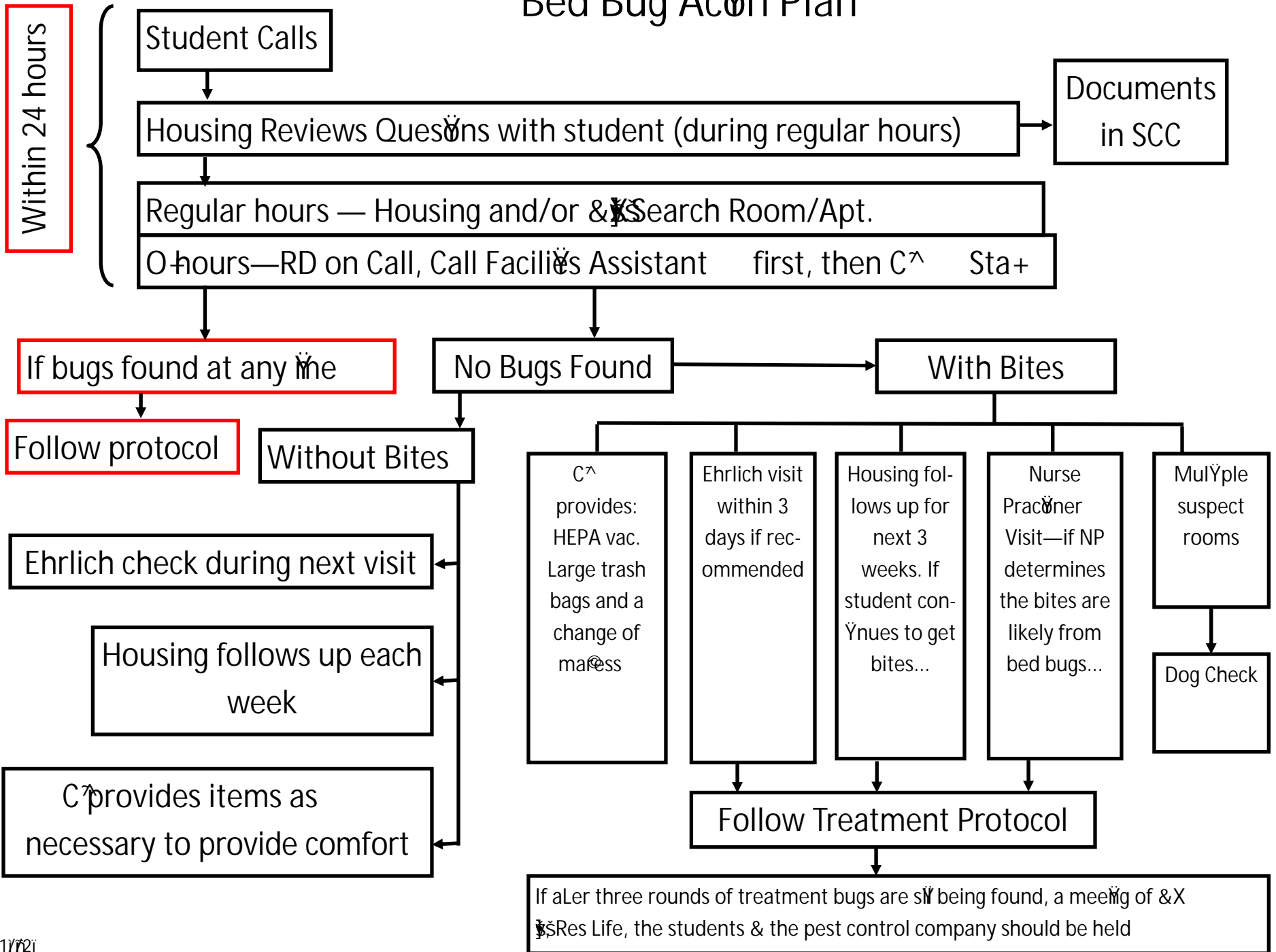
***Bed bugs were eradicated from the United States since World War II. They have returned in the past 20 years to many cities in America due to more people traveling abroad and returning with them in their belongings. Many hotels including those in large cities have been infested in recent times with bed bugs.***

**How can I prevent taking bed bugs with me?**

***While at any off-campus program you can take precautions by not putting your clothing or suitcase/duffle bag on the floor. Wash and dry all clothing before you return to your home.***



# Bed Bug Action Plan



Scott Zeigler, Form creator Signature	Electronically signed by Scott Zeigler on 11/22/2023 3:51:14 PM
Vice President for Operations Signature	Electronically signed by Kathie Shafer on 11/27/2023 9:30:50 AM
Director of Facility Services Signature	Electronically signed by Bradley Markley on 11/27/2023 7:23:04 AM
Associate Vice President of Marketing & Comm. Signature	Electronically signed by Carla Gross on 11/29/2023 10:54:14 AM
Facility Services Administrative Coordinator Signature	Electronically signed by Denise Blackley on 11/27/2023 7:22:47 AM
Facility Services Administrative Assistant Signature	Electronically signed by Jennifer Sheaffer on 11/22/2023 3:53:20 PM
Project Manager Signature	Electronically signed by Russ Ehrich on 11/22/2023 3:54:30 PM
Assistant Director, Physical Plant Signature	Electronically signed by Brian Miller on 12/06/2023 10:29:41 AM
Coordinator of Health Services Signature	Electronically signed by Linda Weaver on 11/29/2023 8:30:03 AM
Director of Housing Signature	Electronically signed by Courtney Williams on 11/22/2023 4:01:58 PM
Director of Residence Life Signature	Electronically signed by Lyndsay Grimm on 11/29/2023 4:55:40 PM
Dean of Students Signature	Electronically signed by Doug Wood on 11/26/2023 8:47:49 PM