

Environmental Health & Safety Main Office 335-3041 www.ehs.wsu.edu ehs@wsu.edu

# Waste Management Guide Pullman Campus

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| Hazardous Materials Transpo  | rtation  |







| DANGEROUS WAS<br>C#: Date Filled<br>dg/Room: Todd 567 Phone:<br>Major Hazard<br>enable Corrow C rows of rows | TE<br><u>1: 1/1/98</u><br>5-9999        |
|--|---|
| constituents<br>coine<br>fater   | <u>75</u><br><u>10</u><br><u>15</u><br> |
| &S Use:  |   |







# Quick Management Guide : Who to call for questions or disposal?

| Radioactive  | Radiation Safety Office  | 335-8916  |
|--|--|---|
|  | www.rso.wsu.edu  |   |
| Biosafety<br>Questions:<br>-pathological<br>-infectious  | Biosafety Officer<br>Lorraine McConnell<br><u>www.bio-safety.wsu.edu/biosafety</u>   | 335-4462<br>lorrmcc@wsu.edu   |
| -genetically<br>modified<br>-recombinant DNA<br>-animal carcasses<br>or tissues<br>-human blood,<br>fluids, or tissues | Animal Care and Animal Lab<br>Facilities Support<br>Mike Kluzik<br>Environmental Health & Safety<br><u>www.ehs.wsu.edu</u>                       | 335-9553<br>mkluzik@wsu.edu<br>335-3041<br>ehs@wsu.edu  |
| Biohazard<br>Waste Disposal:   | Materials and Resources<br>Management and WSU Incinerator<br>Requires designated Biohazard<br>containers and specific labeling.                  | 335-9075<br>See pages (2-5)   |
| Sharps Wastes  | Handle and dispose of as Biohazard<br>Wastes<br>Requires designated Sharps<br>containers and specific labeling                                   | 335-9075<br>See page (4 )   |
| Glass Wastes   | Not contaminated—<br>Collect in designated glass waste<br>containers and dispose of in trash.  | See page (6)  |
| Glass Wastes   | Contaminated—<br>Radioactive<br>Biohazardous<br>Chemical<br>Use designated glass containers  | Handle and<br>dispose of<br>according to what<br>contamination is<br>present.<br>See page (6) |
| Chemical<br>Wastes   | Environmental Health & Safety<br>Requires specific labeling and a form<br>for collection. The form may be<br>completed on-line or submit a paper | 335-3041<br>On-line at<br><u>www.ehs.wsu.edu</u><br>See pages ( 7-10 )                        |
|  | copy.  |   |
| Nonhazardous,<br>(noncontaminated)<br>materials for  | Compost Facility(Animal bedding)Material &(Re-use or sale)Resources Management   | 335-3288<br>335-8619  |
| reuse, sale,<br>recycle or trash   | University Recycling (Recycle)<br>Solid Waste Collection (Trash)   | 335-7434<br>335-7434  |

# Disposal of Biohazardous Wastes

# *SPPM S80.12*

#### Waste Identification:

#### www.bio-safety.wsu.edu/biosafety

• Principal investigators and supervisors are responsible for identifying biohazard waste (i.e., human and animal, blood, tissue, contaminated materials, recombinant DNA, infectious agents, oncogenic viruses, animal carcasses and parts, chemical carcinogens in tissue mediums, HEPA filters from bio-safety cabinets and BL-III facility exhaust ducts) and disposing of them properly.

#### **Autoclaving or other Treatment**

- If autoclaving or some other form of treatment will render the material non-hazardous, the material should be placed in a clear autoclaving bag (Central Stores # 60919) without the biohazard symbol and stored inside a box labeled as biohazard until it is treated.
- The bag is removed from the box when autoclaving.
- After autoclaving, label the bag with a green autoclave label (Central Stores #54587), and dispose of as solid waste.
- Autoclaving animal carcasses and tissues is not allowed. These must be handled and disposed of as biohazards.
- Do not throw away any autoclaved material that is in red or orange bags or has the biohazard symbol on the bag. These must be disposed of as biohazard waste.



#### Packaging

- Purchase biohazard disposal boxes, bags and labels from Central Stores (two box sizes: items #49954(small) and #49955(large).
- Double bag waste and seal with duct tape or twist ties prior to boxing. Place the biohazard bags in biohazard boxes and tape the lid closed.



Disposal of Biohazardous Wastes (continued)

#### Labeling

If needed, affix a Biohazard label (Central Stores # 50169) to each biohazard box.



#### Label each box with the following information:

- Responsible researcher's name, phone number, building and room number where waste was generated.
- A description of the waste and any infectious agents in the box (e.g. rat carcasses, Yersinia pestis), etc.
- The area number of the supporting organizational unit: CAHE-03, Graduate Schol-16, Liberal Arts-10, Natural Sciences-07, Pharmacy-15, Vet Med-11.
- Clearly identify materials that threaten the health of wild or domestic animals in case of accidental release.
- Clearly identify when the material contains recombinant DNA

#### Collection will not occur unless labeled properly

#### Disposal

- When box is full, tape shut and transfer to approved storage area. (See page 5 for storage locations and pick-up schedules)
- Total weight of full box not to exceed 40 lb.
- Contact WSU Materials & Resources Management at (5-9075) for pick-up, when handling large animals, or for items that do not fit in the large biohazard box, i.e., (filters used in bio-safety cabinets).

-Contact WADDL at 335-9696 for advice on whether a specific species can be dropped off for disposal (i.e. cattle for rendering).



#### Human Blood and Body Fluids

Refer to departmental bloodborne pathogen plan or contact EH&S regarding disposal. Contact a public health specialist at EH&S at 335-3041.

A disposal procedure for your work area must be placed in the Laboratory Safety Manual that addresses each of the above.

#### Containers

- Sharps include items such as hypodermic syringes and needles, cannulas, scalpels, and lancets.
- They must be disposed of in such a way that they don't pose a risk to others.
- Do not recap, separate, or cut needles.
- Place sharps when empty into horizontal entry sharps containers.
- Sharps containers are available in three sizes from Central Stores --4 quart, catalog #51244
  - --8 quart, catalog #51245
  - --5 gallon, catalog #50053



- Labeling
- Label, handle, and dispose of as biohazardous waste. This includes sharps contaminated with biohazardous materials as well as non-biohazardous materials.
   -Sharps with radioactive contamination, call the Radiation Safety Office
- When sharps container is full, tape shut, and place in double-lined biohazard box for disposal.
- If necessary, affix a biohazard label on the box exterior.
- Label box with: Responsible researcher's name, Building and Room number, phone number, date, and biohazard information.

### Collection

 Take the taped and labeled boxes to the temporary storage area designated for your building, or call Materials and Resources Management at 5-9075 to determine the pickup point and to schedule for collection. (see page 5)

A disposal procedure for your work area must be placed in the Laboratory Safety Manual that addresses all of the above .





# *Storage Locations and Pickup Schedules for Biohazards and Sharps*

Contact Material & Resources Management WSU Incinerator for pickup; telephone 335-9075. Routine pickup is available Monday through Friday.

|  | Pickup Locations for Bioha | zardous Wastes and Sharps  | 5   |
|--|----------------------------|--|---|
| Building   | Schedule for Pickup        | Pickup Location  | Local Contact   |
| Bohler   | Call 335-9075              | Schedule   | Bohler 51, 335-0238   |
| Bustad   | Daily                      | Bustad 155-H (SE corner,<br>inside the roll-down door<br>to the loading dock)  | Bustad 155N, 335-9696                                       |
| Child Care Center                                    | Call 335-9075              | Schedule   | 335-7980  |
| Coliseum   | Call 335-9075              | Schedule   | 335-2667  |
| Eastlick   | Tuesday and Thursday       | Give to technician in<br>Eastlick G-66A. Stored in<br>G-63.  | Eastlick G81, 335-3313                                      |
| Experimental Animal<br>Laboratory                    | Tuesday and Thursday       | East loading dock  | Clark 117, 335-8095   |
| Foods Science and<br>Human Nutrition                 | Call 335-9075              | Schedule   | FHN 232, 335-4016<br>FHN 248, 335-1108<br>FHN 340, 335-5465 |
| Fulmer   | Call 335-9075              | Fulmer Annex 23, next to loading dock, give to clerk   | Fulmer 23, 335-3325   |
| Intramural and Recreation                            | Call 335-9075              | Schedule   | 335-6639  |
| Johnson Hall   | Call 335-9075              | Johnson 65, next to north interior wall  |   |
| Johnson Tower  | Tuesday                    | In cooler on Johnson<br>Tower loading dock   | Johnson Tower 117D, 335-<br>5529                            |
| Laboratory Animal<br>Resource Center                 | Call 335-9075              | Inside NW loading dock by<br>the interior double door,<br>next to west wall  | 335-6246  |
| МсСоу  | Daily                      | Green locked metal storage<br>cabinet #1 on north end of<br>west loading dock. Get key<br>from central services<br>manager in McCoy 150. | McCoy 335-0748  |
| P.E. Gibb Pool                                       | Call 335-9075              | Schedule   | 335-3791  |
| Dodgen Research Facility<br>Nuclear Radiation Center | Call 335-9075              | Schedule   | 335-8641, 335-8916  |
| Veterinary Teaching<br>Hospital                      | Daily                      | Room 1 /<br>Room 1211  | 335-0711  |
| Wegner   | Daily                      | Wegner 138 along SE wall.<br>Contact technician in<br>Wegner 334.  | Wegner 334, 335-4026<br>Wegner 124A, 335-8355               |

#### Non-contaminated glass wastes:

- Are those without biohazards, chemicals, or radioactive isotopes present.
- Must be placed in one of two types of puncture resistant containers.
  - 1. Plastic box with a plastic liner commercially designed for glass disposal (Central Stores catalog #54190)
  - 2. Metal box with an inner liner of a disposable cardboard box. If the metal container is leak-proof, a plastic liner may be used in lieu of a cardboard box.
- There must be no failure of the integrity of the container during transport which could expose laboratory or service personnel to cutting or puncture hazards. Custodians and solid waste handlers are not required to dispose of any glass not placed in containers as described in this section.
- Label containers with words "Glass Waste", building and room number, and a statement that the box contains non-contaminated waste glass. Do not fill over 40 pounds.
- When full, securely close the inner liner with twist ties or tape. Notify the custodian that the container needs to be emptied. If laboratory employees dispose of the container, a disposal procedure must be added to the Laboratory Safety Manual that addresses all of the above.

#### **Contaminated Glass Waste:**

- Glass contaminated with <u>biological materials</u> can be autoclaved or treated to remove any biological hazard and disposed of as above. If not practical to treat, dispose of as biohazard waste. (see pp 2-5)
- Glass contaminated with <u>radioactive materials</u> must be placed in a plastic lined cardboard box which is labeled for radiation hazard.
- Glass contaminated with other chemicals must be completely emptied at least to less than 3% of the original volume. Containers holding chemicals designated as Acutely Hazardous are required to be triple rinsed prior to disposal. All rinseates must be collected for disposal as dangerous waste. (See pp 7-10).
- Contact EH&S for assistance with which containers may be legally disposed of when empty.

| 1. Identify<br>what must<br>be collected  | <ul> <li>Most laboratory chemicals, their mixtures, and solutions.<br/>Even very dilute solutions may have to be collected.</li> <li>Expired chemicals that no longer have a use.</li> <li>Pesticides, herbicides, paints, automotive and<br/>maintenance wastes.</li> <li>Oils, cleaning wastes, batteries, some light bulbs, and<br/>aerosol cans.</li> </ul>  |
|---|--|
|   |  |
| 2. Label<br>Correctly   | <ul> <li>State regulations require that containers be labeled as<br/>"Dangerous Waste" with constituents, percentages, and a<br/>primary hazard identified</li> </ul>  |
| DANGEROUS WASTE<br>CCR9: 2500 Das Filet: 1/1/28<br>Bild; Ross: EddS07 [Pose: 5.9999<br>Major Hazard<br>Feasable Control Fease One<br>Methanal Control Fease One | <ul> <li>Containers must be labeled when waste is first added to<br/>the container.</li> </ul>   |
| PH6 8 Days  | <ul> <li>Labels may be printed from the EH&amp;S website or obtained free from Central Stores (catalog #60939)</li> <li>Labels may a be using a set of be using the set of beautiestic and the set of the set</li></ul> |
|   | • Use proper chemical names, not abbreviations.  |
|   |  |
| 3. Collect and store safely   | <ul> <li>✓ Use containers that are compatible with the waste material</li> <li>✓ Don't completely fill container. Leave some headspace to allow for expansion.</li> <li>✓ Keep closed to prevent evaporation of waste.</li> <li>✓ Don't combine mercury wastes with any other waste.</li> </ul>  |
| 1.44  | ✓ Store Safely. Use secondary containment if available.  |
|   |  |
| 4. Notify<br>EH&S, or<br>your Building<br>coordinator to<br>have wastes<br>removed  | See list of Building coordinators who can assist you (pg 9)<br>Or submit an on-line request at:<br>www.ehs.wsu.edu/ccr/ccr.asp<br>Or fill out a paper request form (Central Stores #47860)<br>and mail to EH&S at mailstop 1172  |

# Label container as shown. *Fill out chemical collection request(CCR)form and send to EH&S*

- List all constituents (including water
- Do not use abbreviations
- Do not use trade names unless no other identifying information is available
- •Total must equal 100 percent
- If labels other than those provided by WSU are used, they must bear the words "Dangerous Waste" and contain all the same data elements

Submit online collection request at www.ehs.wsu.edu/ccr/ccr.asp Or paper request form (see below)

| ·)              |                    | 1"<br>Headspace                                  | EROUS WASTE<br>Date Filled: 1/1/98<br>Phone: 5-9999   |
|-----------------|--------------------|--|---|
|                 |                    | Rammable Correte<br>Methanol<br>Acetone<br>Water | Iajor Hazard           Poteon         Other           ituents         %           10         15 |
| /               |                    | EH&S Use:  |   |
|                 |                    |  |   |
| Sta<br>le<br>EH | ate<br>cti<br>(S10 | Umversity<br>on Request<br>11994)                | CCR# 25000  |
|                 | Pr<br>Da           | Environmental<br>ocessor:<br>ite://              | Health and Safety Use Only<br>Data Entered:<br>Weight:kg  |
|                 | OF                 | RG   | CAB   |



Washington S Chemical Col (WSU 1280)

| Name: John Smith Mailstop: 1172<br>Building: Todd Room: 567   | Environmental Health and Safety Use Only<br>Processor: Data Entered: |
|---|--|
| Phone: 5-9999   | Date:// Weight:kg  |
| Constituents     %       (No Formulas or Abbreviations)     75       Methanol     75       Acetone     10       Water     15  | ORG CAB<br>AQ B T<br>LT R  |
|   | Comments:  |
| Total Must Equal 100%   |  |
| Properties:Solid Liquid <b>50</b> Gas C<br>Container Size: <u>4</u> (L) Galmggkg<br>Number of Containers:(L) 2 3 4 5 (Circle) |  |
| Please see instructions on the back of this form.<br>Distribution:White - EHS,MS 1172;<br>Yellow - Generator File             |  |

# Building Coordinators who can assist you with chemical waste removal

- Your building may have a centralized waste accumulation area.
- Procedures may vary for each building. Ask your building coordinator what their standard procedure is. For example in Fulmer Hall you may simply transfer your labeled container to the building coordinator, who completes the collection request and places the waste container in the storage area for collection by EH&S.
- If your building does not have a centralized waste accumulation area, complete a CCR on-line or a paper copy and send it to EH&S at mailstop 1172.

| Bustad Hall, Veteri  | nary Hospital, ADBF                |        |              |
|----------------------|------------------------------------|--------|--------------|
|                      | Lon Smith                          | 5-0140 | Bustad 260   |
|                      | Gisela Bailey                      | 5-0140 | Bustad 260   |
|                      | Vaughn Sweet                       | 5-6053 | Bustad 302B  |
| McCov Hall           |                                    |        |              |
|                      | Darrel Nelson (VCAPP)              | 5-5701 |              |
|                      | × · · ·                            |        |              |
| Wegner Hall          |                                    |        |              |
|                      | Pat Ager (Pharmacy)                | 5-4026 | Wegner 334   |
|                      |                                    |        |              |
| Fulmer Hall          |                                    |        |              |
|                      | Gary Johnson                       | 5-3325 | Fulmer 23    |
| Clauk Hall           | Organizations alternate auch month |        |              |
| Стагк пан            | Schedule posted on Clark 131 door  |        |              |
|                      | benedule posted on chark for door  |        |              |
| Animal Sciences      |                                    |        |              |
|                      | Dave DeAvila                       | 5-1203 | AS 218       |
|                      | Jan Vierck                         | 5-5280 | Clark 131    |
|                      |                                    |        |              |
| Engineering Comp     | lex                                |        |              |
|                      | Jon Grimes                         | 5-8550 | Dana 46      |
|                      | Tom Weber                          | 5-8938 | Sloan 132    |
| Fastlick/Abelson/F   | heal                               |        |              |
|                      | Glenn Miller                       | 5-3313 | Fastlick G81 |
|                      |                                    | 5-5515 | Easilier 001 |
| Facilities Operation | 18                                 |        |              |
|                      | Dennis Rovetto                     | 5-9087 | Motor Pool   |
|                      |                                    |        |              |
|                      |                                    | 1      |              |

# Chemical Waste Disposal Guidelines

#### • Don't pollute

Chemical wastes should not be evaporated, poured down the drain, or disposed of in the garbage without prior coordination with EH&S.

- **Contact EH&S at 335-3041 for assistance** in determining what is regulated and must be collected. EH&S personnel will review your chemical processes and return a written report which lists what must be collected, and what may be disposed of as solid waste/trash or may be acceptable for drain discharge.
- Chemical Cleanouts -- EH&S will assist your department in removing legacy and left-over chemicals and helping to prepare laboratory space for re-occupancy. Call 335-3041 to schedule.

| Chemical                     | DW<br>(mg/L) | Pullman<br>limits<br>(mg/L) |
|------------------------------|--------------|-----------------------------|
| Arsenic                      | 5.0          | 1.00                        |
| Benzene                      | 0.5          | 0.13                        |
| Cadmium                      | 1.0          | 0.11                        |
| Chloroform                   | 6.0          |                             |
| Chromium hexavalent          |              | 0.25                        |
| Chromium total               | 5.0          | 1.00                        |
| Copper                       |              | 1.00                        |
| Lead                         | 5.0          | 0.40                        |
| Mercury                      | 0.2          | 0.05                        |
| Nickel                       |              | 1.00                        |
| Non-polar fats, oils, grease |              | 50                          |
| рН                           |              | 6-9 s.u.                    |
| Sodium Chloride(aq)          | 10%          |                             |
| Toluene                      |              | 1.50                        |
| Zinc                         |              | 1.00                        |

#### Some example regulatory limits

qualify to be discharged to the drain. **Some example limits are shown in the table** Note that Pullman limits may be in addition to or

Usually only some dilute aqueous buffers and chemical solutions may

may be in addition to or stricter than Washington State and Federal limits

EH&S does not charge for collecting chemical wastes

• Notify EH&S and the Radiation Safety Office prior to leaving the university in order to ensure chemicals and wastes left behind are properly managed. The following form (BPPM 60.38.2) should be routed to your department and to EH&S and the Radiation Safety Office prior to leaving the university for more than 90 days.

| FACULTY AND ST  | E NOTICE   |   | Washington Sta<br>Pullman, W                    | e University<br>A 99164 |
|---|--|---|---|-------------------------|
| To: (check one or both)   | Radiation Safety<br>Mail Code 1302                                 | Environme<br>Mail Code 1  | ntal Health Service<br>172                      |                         |
| The following user of radio<br>indicated below. See 60.3                | bactive materials and/or hazard<br>38 for additional instructions. | dous chemical substances is p   | elanning to depart WSI                          | J on the date           |
| Name of Departing User  | ame of Department/College  |   |   |                         |
| Title of User   | User Telephone   | Location(s) of Hazardous  | Location(s) of Hazardous Materials              |                         |
| Reason for Intended Dep   | arture, e.g., termination, sabba                                   | ıtical, leave w/o pay   | Expiration Date of Curr<br>Date of Intended Dep | ent Appointment         |
| The user's name currently   | appears on : (check all that ap<br>als Hazardc<br>List             | pply)<br>bus Chemicals  | Biohazardous Ma<br>List                         | terials                 |
| List  |  |   |   |                         |
| List  | Name of Appointing A   | uthority Signature of Appoin  | ating Authority                                 | Date                    |
| List Title of Appointing Authority Distribution:                        | Name of Appointing A   | uthority Signature of Appoir  | iting Authority                                 | Date                    |
| List Title of Appointing Authority Distribution: Route to Environmental | Name of Appointing A   | uthority Signature of Appoir<br>X<br>adiation Safety Office as applie | nting Authority                                 | Date                    |

• If you will be Shipping Hazardous Materials please contact the WSU Hazardous Materials Transportation Supervisor for additional information: Brady Allen bral@wsu.edu 335-4529



- In an effort to minimize wastes and the associated hazards and costs, EH&S coordinates a chemical recycling program.
- EH&S reviews unused and unopened chemicals for recycling alternatives. A stock of unused chemicals, available for recycling to University personnel, is maintained on campus.
- The list of chemicals can be found on the EH&S website at: <u>www.ehs.wsu.edu/hazwaste/recycle.htm.</u>
- To request free delivery of a chemical on the recycling database, e-mail EH&S from the website or call 335-3041. If you have surplus chemicals that you would like to recycle, submit them to EH&S using the waste reporting process described earlier. EH&S will collect these chemicals and determine whether they are acceptable for recycling.





- Washington State University uses an Environmental Management System (EMS) to continuously improve environmental programs.
- The EMS system documents how environmental policies, procedures, priorities, measurable outcomes, and audits are developed, communicated, and implemented at WSU.
- The EMS uses a proactive pollution prevention approach to comply with regulatory requirements using creative and cost effective methods that can often result in a substantial cost savings.
- WSU is committed to developing and implementing an EMS that will:
  - address the University's operations and facilities;
  - be utilized to plan, design, construct, and operate WSU facilities;
  - provide a framework to monitor its progress and ensure continual improvement to meet environmental regulations;
  - be utilized to meet sustainability and pollution prevention goals which follow the hierarchy of prevention, recycling/reuse, treatment, and disposal; and
  - be documented, implemented, maintained, and communicated to its employees and the public.
  - Every member of the WSU community can play an active role by being aware of the environmental impacts that result from their work activities. If you can help identify or suggest a way for WSU to prevent pollution by modifying a facility or changing a procedure, please contact Environmental Health and Safety at 335-3041.

# Emergency Procedures –In the event of a chemical spill

- If you have not been trained or equipped to clean up the spill, notify coworkers and evacuate the immediate area.
- **Call 911** to report the spill.



- -(except radioactive –contact Radiation Safety Office directly during normal work hours at 335-8916)
  -(except mercury– contact EH&S directly at 335-3041 during normal work hours).
- Do not attempt to clean up mercury spills, as this may spread the contamination.
- Keep passers-by from entering the contaminated area.
- Provide the following information
- -Location of the spill

-Quantity and type of material(s), (e.g., chemical, biological, or radioactive isotope)
-Name of person(s) causing the spill
-Name and phone number of a person who is familiar with the properties of the chemical (e.g., principal researcher or other personnel)

- Make arrangements to meet the responding agency with as much information as you have. The sooner information is accessible, the sooner the emergency can be resolved.
- EH&S and RSO help provide clean-up and monitoring services to ensure the workplace is free of contaminants prior to re-occupancy.

Laboratories may clean up their own spills under certain conditions. See the following websites for guidance.

- Biohazards: www.bio-safety.wsu.edu/biosafety/web\_training.asp
- Radioactive: www.rso.wsu.edu
- Chemical: www.ehs.wsu.edu SPPM S70.45

In general, a laboratory will train its employees to clean up small, relatively non-hazardous spills and will utilize 911 for larger, more toxic and/or more time-consuming spills.

- A detailed spill response procedure shall be in the lab safety manual.
- The spill is in your normal work area.
- The employees involved in the clean up have been trained to recognize the hazards associated with the spill,
- And trained to use the appropriate clean-up materials,
- And the employees involved wear appropriate protective equipment.

*Contact Biosafety Officer* www.bio-safety.wsu.edu/biosafety Lorraine McConnell

lorrmcc@wsu.edu 335-4462

Contact Radiation Safety Office www.rso.wsu.edu 335-8916 Contact EH&S 335-3041 www.ehs.wsu.edu Dwight Hagihara, Director hagihara@wsu.edu 335-3041 Michele Freeman (Training)mrfreeman@wsu.edu 335-5508 Russ Schaff (Capital Services) schaffr@wsu.edu 335-5604 •Contact Environmental Services for questions concerning: chemical wastes, chemical recycling, chemical spill response and cleanup, pollution prevention, waste minimization, and management of contaminated sites John Reed, Manager 335-9565 johnreed@wsu.edu Fred Miller millerfl@wsu.edu 335-5381 Don Keon hwt@wsu.edu 335-9561 Larry Klingler lklingler@wsu.edu 335-3563 sampsonj@wsu.edu Jason Sampson 335-9564 •Contact Occupational Health & Safety for questions concerning: biohazards and bloodborne pathogens, laboratory safety, animal safety, general safety and health programs, accident prevention, hazard communication, respiratory protection, and ergonomics. Ed Havey, Manager havey@wsu.edu 335-5311 Mike Kluzik mkluzik@wsu.edu 335-9553 Jeff Battaglia jeff-battaglia@wsu.edu 335-6429 Chris Baylon baylon@wsu.edu 335-9130 pat-cruver@wsu.edu Pat Cruver 335-4360 slgreer@wsu.edu Sarah Greer 335-0948 dsasse@wsu.edu **Dennis Sasse** 335-5251 Contact Public Health/Air & Water Quality for questions concerning: food service sanitation, drinking water quality, sewage disposal, swimming pool safety, outdoor air pollution, outdoor water pollution and wetlands. gpatters@wsu.edu Gene Patterson, Manager 335-5510 Marty O'Malley martyo@wsu.edu 335-6152

Contact Hazardous Materials Shipping

Transportation Supervisor bral@wsu.edu 335-4529 **Brady** Allen

Version 011007