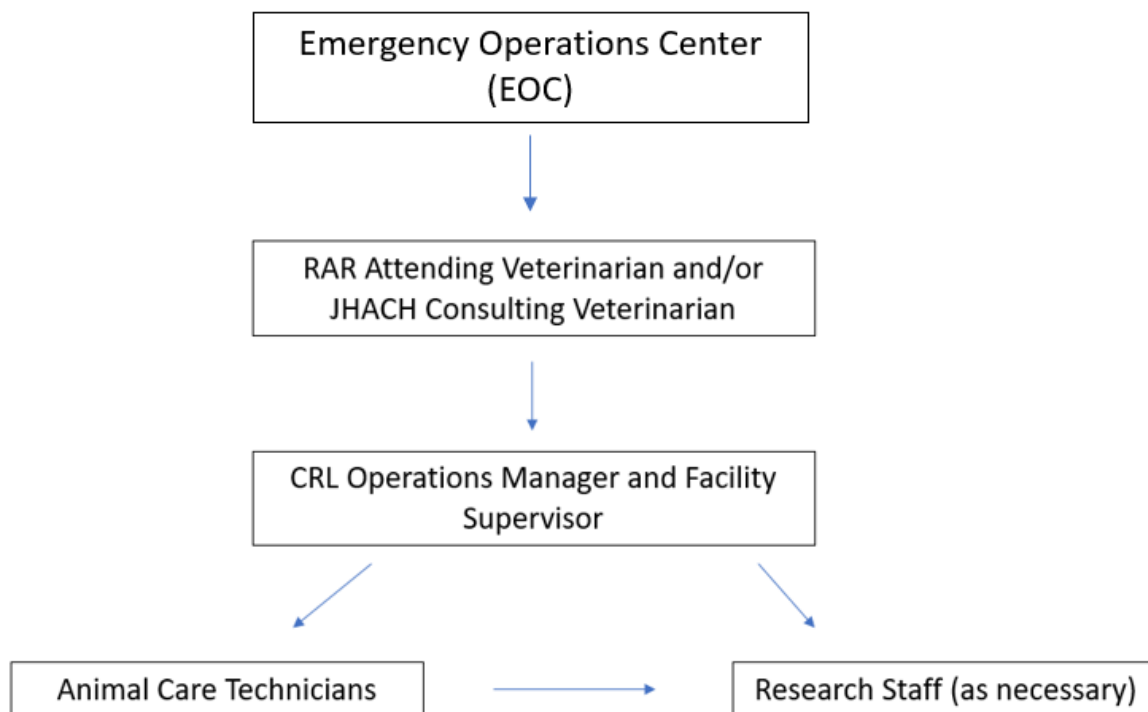


RESEARCH ANIMAL RESOURCES DISASTER RESPONSE PLAN: SITE-SPECIFIC SUPPLEMENT FOR THE JOHNS HOPKINS ALL CHILDREN'S HOSPITAL VIVARIUM

- I. Purpose:** This document provides additional information regarding the plan of action for Research Animal Resources (RAR) personnel and University faculty and staff during emergencies that impact the health, care, welfare and use of laboratory animals at the Johns Hopkins All Children's Hospital (JHACH). This document will provide site-specific instructions as well as detail the disaster response to emergencies unique to the Tampa Bay area. **Note that the RAR Disaster Response Plan should be followed for all emergencies (e.g., infectious disease outbreaks like COVID-19 pandemic) and incidents (e.g., civil disturbance, cyberattacks) not discussed in this document.** The plans of action for the following emergencies will be delineated in further detail:
- A. Natural Disasters
 - Hurricanes
 - B. Facilities
 - Utility interruptions/HVAC failure
 - Fire
 - Massive chemical spill
 - C. Medical Needs
 - Medical emergencies
 - Biological exposures
 - Minor injuries and illness
 - D. Action Plan for Animals Under Sedation or Anesthesia in an Emergency
 - E. Animal Relocation Plan
 - F. Contingency Planning for the Unthinkable
- II. Emergency Notification System at JHACH:** RAVE is the JHACH emergency notification system. In the event of a severe storm, disaster or emergency, staff will receive notifications via RAVE. You can sign up for RAVE alerts here: [Rave Login - Johns Hopkins All Children's Hospital \(getrave.com\)](https://rave.jhu.edu/). During an emergency, the Emergency Operations Center (EOC) will communicate directly with staff via RAVE alerts, and vivarium staff can contact the EOC directly at 727-767-8970 or 767-8232.
- III. Emergency Responses at JHACH:** The Disaster Assistance Response Team (DART) policy applies to every JHACH employee, including Vivarium staff. DART is a key part of our readiness to continue our mission of patient care in the event of a natural disaster or emergency. DART members are expected to be prepared and ready at all times to perform assigned tasks in the event of an emergency that would require activation. See Appendix B for current DART staff roles and responsibilities. Further information on DART is found here: [DART Overview \(sharepoint.com\)](https://sharepoint.com/). During an emergency, the Emergency Operations Center (EOC) will communicate directly with vivarium staff via RAVE alerts, and vivarium staff can contact the

EOC directly at 727-767-8970 or 767-8232. The chain of command for vivarium staff is as follows:



IV. Reporting and Responding to Incidents at JHACH: Follow Emergency Codes Staff Response Actions [JHACH EmergencyPoster oct-2018 18x24.pdf \(sharepoint.com\)](#) for information on how to report and respond to any emergency incidents. A summary of this information can also be found on your badge. JHACH Public Safety can be reached at 727-767-3111.

V. Facility Address: 600 5th Street South, St. Petersburg, FL 33701

VI. Location of Critical Items within the JHACH Vivarium

a. Telephone locations and numbers in Facility/Vivarium

- i. Vivarium staff cell: 727-767-3294
- ii. Office 7103 land line: 727-767-3684

b. Emergency information

- i. Location: Vivarium Main Entrance (7100A); next to Room 7108 (Procedure Room); Corridor 7200; Room 7107 (Control Room)

c. Fire extinguishers

- i. Location: Corridor 7200; 7100A (Vivarium Entry)

d. Fire alarms

- i. Audible and visual fire alarms are located throughout the main corridors
- ii. Location of fire alarm pull stations: Vivarium Main Entrance; at intersection of Corridors 7200 and 7117; Corridor 7200

- e. **Automatic external defibrillator (AED)**
 - i. Closest location: 6th floor next to Room 6200 (Executive Boardroom)
- f. **Eyewash station**
 - i. Location: between Rooms 7110 and 7108 (Procedure Rooms); next to Room 7114; Corridor 7200; Room 7206 (Dirty Side Cage Wash)
- g. **Emergency shower station**
 - i. Location: between Rooms 7110 and 7108 (Procedure Rooms); next to Room 7114; Corridor 7200
- h. **Evacuation route:**
 - i. Follow Exit Signs to exit building
 - ii. **Do not use elevators in the event of a fire** - use stairs
- i. **Emergency Supply Cabinet**
 - i. Location: 7107 (Control Room)
 - 1. Flashlights & batteries
 - 2. Portable radio
 - 3. Whistles
 - 4. Food and water for staff to be supplied by hospital
 - 5. Cell phone batteries

VII. Natural Disasters: Hurricanes: Animal facilities are vulnerable to hurricanes and other natural disasters, which can endanger lives and disrupt critical animal care routines. Hurricanes also bring storm surges, flooding, and possible power outages. Therefore, it is critical to have a rigorous plan that ensures human safety while considering the specific needs of all animals on site. Affected areas often receive 24- to 72-hour notice before the onset of a storm. This time period can be crucial for disaster preparation. Further details on hurricane preparedness can be found in the JHACH Personal Preparedness Guidelines for Staff: ([Safety & Emergency Preparedness at Johns Hopkins All Children's Hospital - StormReadyGuide.pdf - All Documents \(sharepoint.com\)](#))

- a. **Important Contact Information**
 - i. Emergency Operations Center (EOC) 727-767-8970 or 767-8232
 - ii. Public Safety Operations Center 727-767-3111
 - iii. Telephone Emergency Disaster Information Line (TEDI) 727-767-8334
 - iv. Hospital Switchboard 727-898-7451
- b. **Readiness for PI's and Research Staff**
 - i. Prior to the start of Hurricane season (starts June 1st) Principal Investigators (PI) are requested to identify critical cages by labeling cage cards with a green circle for easy triage (PIs are highly encouraged to update this regularly throughout the year). See appendix G.
 - ii. Provide any updated contact information for the PI and/or research staff
 - iii. Do not order animals specially to arrive during a forecasted tropical storm/hurricane. Delay animal orders as much as possible, ensuring that the annual facility is ready to accept new animals.

- iv.* Ongoing experiments must cease during an evacuation or the onset of a hurricane warning. Animals must be removed from the TSE Phenomaster System prior to the storm.

c. Readiness for Vivarium Operations Manager and Facility Supervisor

- i.* Consult with Safety and Emergency Management, Maintenance Department, Public Safety, and Veterinarian to assess imminent emergency situation.
- ii.* Contact Maintenance Department to ensure sufficient fuel is available for emergency power backup generator and to ensure Reverse Osmosis (RO) water storage tanks are filled.
- iii.* Ensure critical equipment is connected to red emergency outlets.
- iv.* Ensure sufficient critical supplies are available for essential employees.
 - v.* Identify sleeping space for staff.
- vi.* Ensure sufficient critical supplies are available to maintain animals (target 5-6 weeks of water pouches and feed and bedding supply for 1.5-2 months).
 - 1.* NOTE: Lab Supply, the JHACH bedding distributor with a warehouse in Orlando, FL (and redundant warehouses in Texas and North Carolina), keeps 2+ months of emergency stock of feed/bedding for its customers. In the event of an emergency, Lab Supply can provide “just in time” deliveries of feed and bedding to the JHACH facility.
- vii.* Ensure adequate supply of medications are on hand for animals.
- viii.* Contact Vendor to ensure adequate supply of CO₂ is availability for euthanasia.
- ix.* Ensure portable temperature and humidity monitors are working and placed in all animal housing rooms and feed storage room 7118, if not already present.
- x.* Obtain radio for communications with Safety and Emergency Management prior to storm.
- xi.* Ensure Ride Out and Recovery Team members have physical keys to the vivarium in the event of power outage that would potentially affect card key readers.
- xii.* If needed, coordinate the consolidation of all critical caging, labeled per PI.

d. Readiness for Vivarium Administrative Staff

- i.* Food and water will be supplied to essential staff by hospital.
- ii.* Ensure emergency supplies for response teams, located in room 7107.
- iii.* Have plenty of feed, bedding and alternative water source available for animals
 - 1.* Ensure adequate supply of emergency feed, bedding, and water pouches are available at all times; anticipate need for 5-6+ weeks.
- iv.* Work with animal vendors and import/export coordinator on the processing of animal orders/deliveries.
 - 1.* Cancel or wait list as needed.
- v.* Replenish all inventory in emergency cabinet as necessary.

e. Readiness for Vivarium Staff

- i.* Prepare plenty of extra sterilized and sanitized caging.
- ii.* Ensure adequate supply of water pouches is available at all times; Target supply of at least 5-6+ weeks of water pouches.

- iii. Plan to stay for 3-5 days.
- iv. Ensure items listed for essential employees are brought to site prior to overnight stay.
- v. Bring needed prescription medications and personal items.
- vi. Identify at least 2 evacuation routes that lead safely outside the building.

f. Response Actions for Vivarium Staff Essential Employees:

i. Team NOT staying for Storm (Preparations Team)

- 1. Ensure sufficient water is available and prepare extra water pouches if needed.
- 2. Ensure feed hoppers are topped off and extra feed is available.
- 3. Unplug Vivarium computers and printers.
- 4. Stock rooms and hallway.
- 5. If instructed by Program Manager, consolidate all critical caging, labeled per PI.

ii. Team Staying for Storm (Ride-Out Team)

- 1. Arrive at Vivarium at designated time and report to Operations Manager and Facility Supervisor.
- 2. Check in with DART. QR codes will be deployed at key locations to use for check in.
- 3. Emergency Operations Center (EOC) will provide storm and facility updates via RAVE alert system.

g. Readiness for Maintenance Staff

- i. Contact Maintenance Staff to ensure sufficient fuel is available for emergency power backup generator.
- ii. Contact Maintenance Staff to ensure Reverse Osmosis (RO) water storage tanks are filled.

h. Response Levels

- i. With winds 135 MPH above, the use of catwalks connecting the REB-OCC-Hospital will not be permitted.
- ii. In the event of an emergency during a hurricane, dial Public Safety Operations Center (727-767-3111). Fire and EMS will not respond to 911 calls with winds above 45 MPH.

i. Recovery (Ride-Out Team, followed by Recovery Team): Only after it has been determined by Emergency Operations Center (EOC) that it is safe for human occupation, then the following will be done:

- i. Re-establish stable animal environments
- ii. Re-establish work environment
- iii. Review response plan and adjust as needed

VIII. Facilities: Utility interruptions/HVAC failure: The most common facility malfunctions that impact the laboratory animals are utility failures such as malfunction of the heating, ventilation, and air conditioning (HVAC) system and power outages. Follow Utility System Failure Staff Response and Actions matrix ([Safety & Emergency Preparedness at Johns Hopkins All Children's Hospital - JHACH_Utility-Matrix-System_oct-2018_18x24.pdf - All Documents \(sharepoint.com\)](#)).

- **Readiness**

- i. Emergency power backup generator (starts after a power disruption of 8-10 sec., and stocked with 7 days' supply of fuel) supplies power to the following:
 - 1. Heating, Ventilation, and Air-Conditioning (HVAC)
 - 2. Facility Lighting system
 - 3. Micro-Isolator Rack system
 - 4. Equipment connected to red Emergency Outlets
 - 5. Elevators (see below)
- ii. Vivarium access
 - 1. All REB service/freight elevators (elevators #4 and #5) and one main lobby elevator (#1) are operational during generator operation.
- iii. Key card access to the vivarium entrance (7100) may be interrupted, and physical keys (maintained by the vivarium supervisor/manager) are available to ensure continuous access.
- iv. Temperature control
 - 1. Temperature monitors: Ensure portable temperature and humidity monitors are working and placed in all animal housing rooms and feed storage room 7118, if not already present.
 - 2. Remote alerts for deviations per Building Management System
- v. Humidity control
 - 1. Humidity monitors: Ensure portable temperature and humidity monitors are working and placed in all animal housing rooms and feed storage room 7118, if not already present.
 - 2. Remote alerts for deviations per Building Management System
- vi. Ventilation
 - 1. Air flow and air pressure sensors and monitors
 - 2. Remote alerts for deviations per Building Management System
 - 3. Backup generator
- vii. Facility Lighting
 - 1. Emergency flashlights located in room 7107 Emergency Supply Boxes
- viii. Water supply
 - 1. Reverse Osmosis (RO) water storage tanks
 - 2. Emergency water pouch storage located in room 7202
- ix. Feed supply
 - 1. Emergency feed storage located in room 7118
- x. Bedding supply
 - 1. Emergency bedding storage located in room 7118
- xi. Emergency Response Teams

1. Designated essential vivarium employees
2. Emergency supplies for response teams located in room 7107 Emergency Supply Cabinet
- xii. Critical Cage Identification
 1. Provided by Principal Investigators

- **Response Actions**

- i. See Facilities Emergency Contact List (See Appendix D).
- ii. For all maintenance issues, Vivarium Staff will contact Maintenance via a Maintenance Work Order ([JHACH Online Request \(facsur.com\)](https://jhsph.edu/facilities/facilities-request-form)) or via phone (74238) all hours.
- iii. Request Maintenance Department to call/contact you or the JHACH Vivarium after the problem has been addressed.
- iv. Animals will continue to be monitored per the instructions of Facility Supervisor and under the guidance of Veterinarian, the Maintenance Department, and Safety and Emergency Management.
- v. Read temperature of the animal housing room from both the Wall Thermometer and the Thermometer placed inside the room.
 1. Temperatures levels below 69°F and above 75°F for 3 consecutive days must be reported for correction to the Maintenance Department.
- vi. Read humidity of the animal housing room from the Hygrometer placed inside the room.
 1. Humidity levels below 30% and above 70% for 3 consecutive days must be reported for correction to the Maintenance Department as above.
- vii. Read room pressure of the animal housing room from the Pressure Monitor located at the animal holding room entrance.
 1. Displayed alerts or deviations from the preset pressure levels must be reported for correction to the Maintenance Department as above.
- viii. If ventilation ceases:
 1. Active experiments must stop.
 2. Caging will be changed more frequently as needed in the event of extended periods of time with no air exchanges on micro-isolator rack system.
- ix. Visually observe light level of the animal housing room.
 1. Deviations from the preset light levels must be reported for correction to Maintenance Department as above.
 2. Active experiments must stop if lighting ceases.
 3. To ensure safety, only enter room with the use of flash lights located in emergency preparedness supplies in 7107.
- x. In the event of power failure, locate a flashlight in emergency preparedness supplies in 7107. Unplug all computers, monitors, printers, to prevent damage from electrical surge when the power is restored. Contact Facility Maintenance as described above.
- xi. When adequate environmental conditions cannot be maintained in animal housing rooms, animals may need to be relocated (see XV. Animal Relocation).

- **Recovery:** Only after it has been determined by Safety and Emergency Management and Maintenance that it is safe for human occupation then the following will be done:
 - i. Re-establish stable animal environments
 - ii. Re-establish work environment
 - iii. Review response plan and adjust as needed

IX. Facilities: Fire

a. Readiness

- i. Locate building exits, fire extinguishers, and the fire alarm nearest your work area. See *Location of Critical Items*.
- ii. The designated assembly place outside of the JHACH Vivarium is located on the south side of the building.
- iii. If you have a disability that may limit or impede your ability to evacuate the building in a timely manner, remain in the stairwell until assistance arrives.
- iv. Keep flammables in appropriate cabinets.
- v. Keep hallways clear.

b. Response Actions

- i. If not in immediate danger, notify Police and the Fire Department. Dial “9”+911
- ii. As you exit, pull a fire alarm.
- iii. Leave the area using designated fire escape routes. DO NOT use elevators.
- iv. DO NOT delay your evacuations by trying to rescue animals.

c. Fire suppression

- i. Some small, well-contained fires, such as trash can fires, may allow use of a fire extinguisher.
- ii. Do not use the fire extinguishers unless you are trained to do so. Contact Safety and Emergency Management to become trained at using fire extinguishers.
- iii. The JHACH Vivarium has glass-enclosed, wall fire extinguishers located inside the 7200 Corridor and in the Vivarium Entryway 7100A.

d. **Recovery:** Only after it has been determined by the Maintenance Department and Safety and Emergency Management that it is safe for human occupation, then the following will be done:

- i. Re-establish stable animal environments
- ii. Re-establish work environment
- iii. Review response plan and adjust as needed

X. Facilities: Massive Chemical Spill: Most chemicals used in the animal care and use program are innocuous, but several substances used in bulk may be hazardous to the environment, to our animal populations, or to personnel working in the area. These include: chemicals used in the cleaning of cages or in the sanitation and disinfection of the animal housing areas; hydrochloric

acid used to acidify the water supply; and volatile anesthetics use for anesthesia and/or euthanasia. Small, non-volatile chemical spills may be handled with the chemical spill kit, located in 7207.

- a. **Primary Goal:** The protection of personnel and animals from exposure and the prevention of widespread environmental contamination.
- b. **Response:**
 - i. Personnel should leave the immediate area of the spill and close and seal the doors of the room involved.
 - ii. Personnel should contact Safety Administration (Milton Griggs, Research Safety Specialist, 727-767-8457), or dial 73111 to report the incident and receive further instruction.
 - iii. Personnel should be prepared to provide the name of the biological agent or chemical involved, the exact location of the spill, the approximate volume of the spill and information about the human and animal occupants in the immediate and adjacent areas.
 - iv. Notify people working in adjacent areas and coordinate their evacuation if instructed by Safety Administration.

XI. Medical Needs: Medical Emergencies: Major medical emergencies include severe illnesses or injuries that require immediate hospital care. Call Emergency Medical Services (“9”-911), and then notify Security (73111).

XII. Medical Needs: Biological Exposures

- a. If animal exposure occurs (splash to mucous membrane, needle stick, puncture or animal bite):
 - i. Secure animal.
 - ii. Act immediately.
 - iii. For bites, scratches or needle sticks, move to the nearest handwashing sink, in the animal housing or procedure rooms. Remove gloves. Wash/flush the area with water for 15 minutes.
 - iv. For mucous membrane exposure, move to nearest eye washing station located between Procedure Rooms 7110 and 7108, next to Animal Housing Room 7114, in Room 7206 (Dirty Side Cage Wash), or in Corridor 7200. Flush mucous membranes for 15 minutes.
 - v. During normal work hours, report to:
 1. ACH staff: Occupational Health (500 building)
 2. CRL staff: Concentra Urgent Care, 3745 33rd Street North, Suite A, St. Petersburg, FL 33713 (phone number: 727-231-0154).
 - vi. After hours, go to nearest urgent care center.
 - vii. Report after hours injuries to the Nursing Administration and fill out Employee Notice of Injury report.
 - viii. Report all injuries no matter how small they seem.

XIII. Medical Needs: Minor Illnesses and Injuries: Minor injuries such as strains and sprains may be treated by private physicians or urgent care facilities. The closest urgent care facility is Concentra Urgent Care, 3745 33rd Street North, Suite A, St. Petersburg, FL 33713 (phone number: 727-231-0154).

XIV. Action Plan for Animals Under Sedation or Anesthesia in an Emergency: Steps taken to care for animals that are sedated or under general anesthesia during an emergency are dependent on the type of emergency and type/stage of procedure. In all emergencies, personnel safety is the priority.

When an animal is undergoing anesthesia for a non-painful or non-invasive procedure (e.g., imaging), the researcher will promptly remove the animal from the device, secure the animal back in its cage, turn off the oxygen/isoflurane to the anesthesia machine, and promptly evacuate the building. When an animal is under anesthesia undergoing a painful or invasive procedure (e.g., has an open incision), the surgeon will promptly euthanize the animal using an approved method (e.g., cervical dislocation), turn off the oxygen/isoflurane to the anesthesia machine, and immediately evacuate the building.

XV. Animal Relocation Plan: The movement of animals to stable and secure environments should be accomplished as soon as possible, if feasible, when animal facilities have been compromised.

a. General Guiding Principles:

i. When the facility or room in a facility are damaged to a degree that room conditions become hazardous or adequate environmental conditions cannot be maintained, animals will need to be relocated.

1. Macroenvironmental parameters triggering response:

- a.** When animal housing room (AHR) environmental temperatures decrease below 68° F for 3 consecutive days or more, extra nesting material and shelters will be added to cages as resources permit.
- b.** When AHR temperatures increase above 79° F for 3 consecutive days or more, animal housing room doors will be propped open and fans will be utilized.
- c.** When AHR environmental temperatures cannot be maintained within 60°- 86° F for more than 72 hours, or if a large percentage of animals are exhibiting health concerns related to high or low environmental temperatures (e.g. elevated respiration rate, restlessness, lethargy, etc.), animals may be moved to an alternative housing location. The decision to move animals to alternate housing locations will be made in consultation with the attending or consulting veterinarian.
- d.** In an emergency situation, room environmental humidity levels will not be used as sole criteria to move animals out of a housing location.

- ii. In general, animals should be moved to the closest possible alternative housing site within the same facility if that location provides an environmentally safe, secure and serviceable option that is away from public traffic. The following site selection order should be followed when relocating animals:
 - 1. Other vacant or partially vacant animal rooms.
 - 2. Animal facility corridors or feed and bedding storage rooms that have adequate environmental control even if the air handling parameters do not meet the criteria of the Guide. Feed and bedding must be relocated to corridors or other areas. Feed and bedding storage rooms are the best choice if days to weeks are likely to pass before accommodations can be found in other animal facilities within the program.
 - 3. Corridors outside of but directly adjacent to animal housing areas are appropriate for short-term holding and staging for the final move for the animals. Depending on the particular conditions, vivarium staff may have to be in attendance frequently or continuously until the final move is achieved.
 - 4. Non-animal facility space – for example laboratories or empty classrooms can be used to hold animals for limited periods of time. Floor drains are not likely to be present in such spaces. Two non-animal facility spaces have been identified for emergency animal relocation:
 - a. Hallway of 200 Suite on OCC second floor:
 - i. Racks and necessary equipment (ex. animal transfer station) will be wheeled over the REB-OCC enclosed bridge.
 - ii. This location has sufficient space for 8 racks.
 - iii. This location is feasible for short term relocation needs (less than approximately 3 days).
 - iv. This location to be used only when the OCC is closed for normal operations.
 - b. CEP building near loading dock:
 - i. Racks and necessary equipment will be transported via box truck from the REB loading dock to the CEP loading dock.
 - ii. This location has sufficient space for 8 racks.
 - iii. This location is feasible for longer term relocation needs (approximately 3 weeks).
 - 5. Animals may also be moved to other animal facilities or institutions under RAR guidance. These moves will take into account the infectious disease profiles of different populations in an effort to limit the risks to ongoing research programs; consideration will also be given to the social compatibility of the species being introduced and the ability to serve the husbandry effectively for relocated animals in the new location. In sustaining the value of research animals and protecting animal life, and in light of the fact that cage level protection against the introduction of infectious disease is effective for rodents, RAR will exercise wide latitude in the relocation decisions.

6. If animals must be relocated to another animal facility/institution, a vehicle with climate-controlled cargo space will be rented for animal transport. Animals will be transported in their home cages, if possible, and food and water will be provided during transport. Two rental car companies have been identified:
 - a. Enterprise Rent-A-Car 1-855-266-9289 www.enterprise.com
 - b. UHaul 1-800-468-4285 www.uhaul.com

XVI. Contingency Planning for the Unthinkable: In the event of a catastrophe of unprecedented proportion resulting in prolonged interruption in the distribution of potable water, an inability to acquire food, or a significant and prolonged disruption in the work force, the decision may be made by the Attending Veterinarian, or other veterinarian designated or acting in this capacity in conjunction with input from JHU scientists who use animals, to euthanize animals for humane reasons. Rodents would be euthanatized with CO₂ asphyxiation as resources permit, or they will be euthanized by trained personnel via a physical method such as cervical dislocation (mice/rats < 200 g), or decapitation with scissors (neonates <10 days old).

Appendix A

JHACH Vivarium Floor Plan

Helicobacter & Norovirus Infected (H&N-Infected)
Helicobacter & Norovirus Free (H&N-Free)
Vivarium Support Areas

7th Fl



Appendix B

Vivarium Disaster Assistance Response Team

<u>Prepare</u>	<u>Ride Out</u>	<u>Recovery</u>
Michael Jordan	Diana Rooney	Michael Jordan
<u>Lance Hayes</u>		<u>Lance Hayes</u>

******Please note Ride Out spends the night for the storm******

Essential Employees List*

- ☐ Toothbrush and toothpaste
- ☐ Deodorant
- ☐ Soap
- ☐ Prescription medications
- ☐ Contacts, contact case, contact solution, and glasses
- ☐ Pillow, sleeping bag or warm blanket for each person. Consider additional bedding if you get cold easily.
- ☐ Complete change of clothing including a long-sleeved shirt, long pants and sturdy shoes. (enough for 5 days)
- ☐ Underclothes and socks (enough for 5 days)
- ☐ Feminine supplies and personal hygiene items
- ☐ Books, games, puzzles or other activities
- ☐ Dietary or specialty foods

*To be provided by Essential Employees

Appendix C

Example of Basic Disaster Supplies List*

A basic emergency supply kit would include the following items:

- ☐ Water, one gallon of water per person per day for at least three days, for drinking and sanitation.
- ☐ Food, at least a three-day supply of non-perishable food per person
- ☐ Battery-powered or hand crank radio and a NOAA Weather Radio with tone alert and extra batteries for both
- ☐ Flashlight and extra batteries
- ☐ First aid kit
- ☐ Whistle to signal for help
- ☐ Dust mask to help filter contaminated air and plastic sheeting and duct tape to shelter-in-place
- ☐ Moist towelettes, garbage bags and plastic ties for personal sanitation
- ☐ Wrench or pliers to turn off utilities
- ☐ Manual can opener for food
- ☐ Local Maps
- ☐ Cell phone with chargers, inverter or solar charger
- ☐ Household chlorine bleach and medicine dropper – when diluted, nine parts water to one part bleach, bleach can be used as a disinfectant. Or in an emergency, you can use it to treat water by using 16 drops of regular household liquid bleach per gallon of water. Do not use scented, color safe or bleaches with added cleaners.
- ☐ Matches in a waterproof container

*This is a general/recommended list; most of these supplies are stored in Control Room 7107, or supplied by the Hospital (food, water)

Appendix D

JHACH Emergency Contact List:

Department	Essential Employee	Contact Information	Email
Maintenance Department		Work: 727-767-4238 ALL HOURS	https://cms2.facsur.com/secure/WORequest.aspx?sid=28e9f9fb-abe0-44a2-b84e-b51f37563c83
Safety and Emergency Management	Milton Griggs, Research Safety Specialist	Work: 727-767-8457	mgriggs7@jhmi.edu
Public Safety Emergency Line		Work: 727-767-3111	
Attending Veterinarian	Dr. Jason Villano	Cell: 773-844-6623	jvillano@jhmi.edu
Consulting Veterinarian	Dr. Cassandra Moats	Cell: 863-944-4267	Cmoats1@jhmi.edu
IACUC	Kinta Diven (Sr. Training & Compliance Specialist)	Work: 443-287-3743	kdiven1@jhmi.edu acuc@jhmi.edu

Appendix E

Essential Vivarium employees during Emergencies:

<i>Essential employees</i>	Name	Contact Information	Email
Operations Manager	Matthias Rammling	Cell: 407-376-5775	mrammli1@jhmi.edu matthias.rammling@crl.com
Facility Supervisor	Diana Rooney	Cell: 727-743-2461	drooney1@jhmi.edu
Animal Care Technician II	Michael Jordan	Cell: 847-544-1007	mjorda33@jhu.edu
Animal Care Technician I	Lance Hayes	Cell: 603-557-2196	lhayes26@jh.edu
Veterinary Consultant	Dr. Cassandra Moats	Cell: 863-944-4267	Cmoats1@jhmi.edu

Appendix F

Vendor Contact List during Emergencies:

Items	Vendor	Contact Name	Phone	Email
Feed	Envigo https://www.envigo.com/products-services/teklad/laboratory-animal-diets/	Benjamin Schulman	Cell: 410-336-0936	Benjamin.Schulman@envigo.com
		Kim Benjamin	Cell: 404-692-9275	Kim.Benjamin@envigo.com tekladorders@envigo.com
Hydropac	Avidity https://www.avidityscience.com/water-systems/animal-watering/hydropac	Scott Bell	Cell: 262-534-5181	Scott.Bell@AvidityScience.com
Chemicals	Rochester Midland https://www.rochestermidland.com/	Troy Livingston	Cell: 717-378-1228	tlivingston@rochestermidland.com
Bedding, Nestlets, Bio-Huts, Hydrogel, PPE	Lab Supply https://www.labsupplytx.com/	Kelly Ham	Cell: 817-422-8461	kham@labsupplytx.com
		Zaid Ramirez	Cell: 689-266-6184	zramirez@mazuri.com
CO ² Tanks	Airgas https://www.airgas.com/	Ron Runkle	Office: 727-572-8737	tony.evans@airgas.com
		Tony Evans (Ship To: 3882651)	Cell: 727-243-2355	
O ² Tanks	Airgas (Medical) https://www.airgas.com/	Helen Thomas (Ship To: 3931206)	Cell: 727-647-7960 Office: 727-442-1208	helen.thomas@airgas.com
Anesthesia Machines	Vet Equip http://www.vetequip.com/	Bob Schrock	Cell: 925-200-6768	bob@vetequip.com

Equipment Failure Contact List:

Equipment	Name	Contact Information	Email
Johns Hopkins RAR Department	Facilities Maintenance & Operations Department	Work: 727-767-4238	https://cms2.facsur.com/secure/WORequest.aspx?sid=28e9f9fb-abe0-44a2-b84e-b51f37563c83
Johns Hopkins RAR Department	IT Services	Work: 727-767-4884	https://www.jhachconnect.org/IT- Services
Rack Washer Atlantis Tecniplast	Lance Squires Nick Eley	Cell: 484-798-3204 Cell: 484-741-1037	lsquires@tecniplastusa.com NEley@tecniplastusa.com
Hydropac AWS-2500 Avidity Sciences	Scott Bell Don Philpot (JHMI)	Cell: 262-534-5181 Cell: 443-860-1199	Scott.Bell@AvidityScience.com dphilpo1@jhmi.edu
Autoclave AMSCO LSS Steris Autoclave #1 – SN#COA44175 Autoclave #2 – SN#COA44174	 Don Philpot (JHMI)	 Cell: 443-860-1199	 dphilpo1@jhmi.edu
Housing Racks RAIR IsoSystem Lab Products	Robert Graves	Cell: 214-649-5987	rgraves@labproductsinc.com
Housing Racks Green Line Tecniplast	Lance Squires	Cell: 484-798-3204	lsquires@tecniplastusa.com
Change Stations Aria CS48 Tecniplast	Lance Squires	Cell: 484-798-3204	lsquires@tecniplastusa.com
CO² Tanks Airgas	Tony Evans	Office: 727-572-8737 Cell: 727-243-2355	tony.evans@airgas.com

O² Tanks Airgas	Helen Thomas	Cell: 727-647-7960 Office: 727-442-1208	helen.thomas@airgas.com
Anesthesia Certification Mercury Medical	Joseph Sheridan	Cell: 727-225-0013 Office: 888-985-2988	jsheridan@mercurymed.com
Anesthesia Mobile RC² Vet Equip	Bob Schrock	Cell: 925-200-6768	bob@vetequip.com

Appendix G

Identification of critical animals

Order: 1A01994.1 Deactivation Date: / /

PE: * 0 0 0 0 0 3 6 4 7 9 (03/18)

PE: 00036479 DOM: / /

Sex	Strain	DOB	ID	#Pups	DOB	DOW	M	F
M								
F								
F								
F								

Qty: 1 1 2 3 4 5 Line:

Order: W01996.1 Deactivation Date: / /

PE: * 0 0 0 0 0 3 6 4 8 1 (03/18)

PE: 00036481 DOM: / /

Prof#: 2009-0407 Account: Order:

Strain: Animal ID: _____

Line: Animal ID: _____

From Cage: Animal ID: _____

DOB: / / Sex: Animal ID: _____

Qty: 1 1 2 3 4 5 Animal ID: _____