

DISASTER PLAN

Department of Veterinary Resources
Weizmann Institute of Science



Disaster Plan

1) Advance Preparations

A) **Critical Incident Response Team (CIRT):**

EMERGENCY PHONE WEIZMANN – 2999

POLICE – 08-100

AMBULANCE 08-101 CUSTOMER CODE - 62421

WEIZMANN INSTITUTE SECURITY 4938/3405/3515

B) **Command Centers:**

1) Main office in Veterinary Resources

2) Mamtak office Osnat Amram office

3) Building 34 Ofira Higfa office

4) Building 41 Itzik Ino office

C) **Contacts:**

First Notification:

Duty	Name	Phone	Cell.
Head, Department of Veterinary Resources	Noa Stettner	4520	050-5109634
Head of Administration	Yael Elbank	4522	054-2639068
Dep. Assistant manager	Sefi Forer	2449	054-2639160
2nd Backup Department safety warden	Eitan Avraham	2448	054-2638962
Autoclave and steam	David Grif		050-7555168

Safety and Environmental Unit Personnel:

Duty	Name	Phone	Cell.
Head, Biosafety & Radiation Safety Officer	Dr. Dalia Seger	3457	054-2639075
Construction Safety Officer	Olga Tour	6229	054-2639064
Laser Safety Officer	Yehuda Moshayev	2810	050-9001955
Chemical Safety & Haz. Mat. Officer	Jacob Wolfman	2160	052-4208755
Chemical Safety Officer	Sali Grizuk	2950	054-3062251
Radiation Safety Officer	Yehuda Moshayev	5155	050-9001955
Fire Prevention Officer	Yaron Ayalon	5410	054-2638860

D) Plant / Facilities

Name	Duty	Phone
Oshri Ben Haroush	Emergency Center	9106
Alon Weingarten	Head, Construction and Physical Plant Maintenance division	3907
Yuval Yarmolovsky	Engineering	4525, 050-2102377
Yuval Yarmolovsky	HAVC	4407, 050-2102377
Ronen Wohlfarth	Water and Steam	2395, 9069, 052-6054513
Eliezer Cohen	Construction	3466, 054-263-9020

E) Call List / Response Team(s)

Building name	Species housed	Contact
MAMTAK	Mice, Rats	Osnat Amram: 08-9346450 /050-5109642
Botnar Building (Building 34)	Mice	Ofira Higfa – 08-9342173 / 050-5109679
Rothschild Building (Building 41)	Mice	Itzhak Ino – 08-9343442 / 050-5109652
Candiotty	Fish	Roy Hofi – 08-9346556 / 050-5594904 Ifah Raviv Dayan - 08-9349246 / 052-4826977
Arison Building	Mouse	Oz Rozenberg -08-9343093 / 052-3702794
Yaglom	Mice, Rats	Shaul Yadai – 08-9342553/ 050-5109850
De Leonesko	Primates	Avishag Tuval – 08-9342384/ 050-6680227
Vet. Res. Quarantine	Mice	Zamir Kochavi – 08-9342742 / 052-2552941
MRI Wolf	Mice, Rats	Shaul Yadai – 08-9342553/ 050-5109850
Vet Res. Isolators	Mice	Ronen Dor– 08-9343552 / 050-5109740
Vet Res. Frogs	Frogs	Ifah Raviv Dayan - 08-9349246 / 052-4826977
Mamatak 1 st	Bats	Avishag Tuval – 2189 / 050-6680227
Solar Tower	Mice, Rats	Shaul Yadai – 08-9342553/ 050-5109850

Animal Husbandry Staff

משרד המחלקה (בנין הרצברג)			
4520	050-5109634	סטטנר	ד"ר נועה
4522	054-2639068	אלבנק	יעל
3321	052-8284524	הכט	ד"ר גיל
2384	050-6680227	תובל	ד"ר אבישג
9034	050-7242390	צינמון-קסטנר	ד"ר שלי
6723	054-2638947	רוזנברג – קצב	כרמית
4521	052-7006269	כפיר	עפרי
9033	054-7936025	קרסיק	אירה
6723	054-2638947	רוזנברג-קצב	כרמית
9204	052-4472579	לב	סתיו
3640	052-8172626	טובול	פרנק
ממט"ק (מרכז מחקר טרום-קליני)			
6450	050-5109642	עמרם	אסנת
2925 - 2836	054-4566912	עובדיה	שרון
4919	052-2954518	לוי	יניב
4919	054-3044488	ברקוביץ	יפית
4919	054-4937327	ביידה	ערן
4918	052-6898789	סיאני	בני
4918	052-5987600	גורש	אורון
4917	052-4535868	אולמן	שגיא
4917	052-6208780	מדר	יוסי
4917	052-7040329	הלוי	אורי
4916	052-7869638	מאיר	עומרי
3184	054-4321346	טליס	שי
3184	052-4050333	אקשוטי	רפי
3184	050-9331666	עמר	סהר
2754	050-8848704	אברהם	לירון
2754	054-9137813	דרסו	אורן
2754	050-9781747	חסון	גולן
3184	050-5746263	פאיז	שלום
4919	054-4477561	כהן עראקי	רוול

2754	050-8498583	איבגי	שי
	052-6452712	דגו	שי
ג'רם-פרי			
3771	054-5556990	בר נתן	כרמית
3771	052-8520526	ארזי	שי
3771	052-4742542	יעקבי	אפרת
3771		יצחק	עמוס
3771	053-8881335	שחריינקו	ולדימיר
איזולטורים (ממט"ק)			
3552	050-5109740	דור	רון
3552	052-8809432	אליהו	ציון
3552	050-7330338	שלום	אלון
עטלפים + ארנבות (ממט"ק)			
3178	0505109850	ידעי	שאול
2838	0545813317	בשארי	אייל
מעבדה דיאגנוסטית (ממט"ק)			
4028	050-7641355	דפני	ד"ר חגית
3368	050-4242700	לוי	כוכבה
2196	054-2009595	דוצנקו	ד"ר נטליה
3368	054-7405072	אלבז	שלמה
2385	050-2143443	גולובקו	אלינה
אימונו-היסטוכימיה (ממט"ק)			
6482	0545866864	אליגור	ד"ר ליאת
3554	050-3488194	הירש	דאנה
3554	054-9728044	סבצ'נקו	איליה
מעבדת הדמיה אופטית (ממט"ק)			
3228 / 6909	052-9535775	קלנצ'סקו	ד"ר ויאצ'סלב
3228	052-6043120	קוזניצקוב	ד"ר יורי
מעבדת הדמיה (ממט"ק)			
6559	050-6868768	ביטון	ד"ר ענבל
התנהגות (ממט"ק)			
2799	052-3282423	צורי	ד"ר מיכאל
מטבוליזם			
	0545910181	קופרמן	ד"ר יעל

קרנטינה (ממט"ק)			
2742	052-2552941	כוכבי	זמיר
בוטנר / 34			
2173	050-5109679	הגפה	אופירה
2114	054-5638820	חממי	ברק
2181	050-3477677	בל	פבל
2181	052-6994919	שרעבי	נריה
2264	052-4685172	שרעבי	נר
6437	054-6810304	עודי	יניב
3500	052-7102134	שלום	רוני
2264	054-7573542	מנטסנוט	דוד
2264	052-2887733	שער	סמדר
2264	054-7802448	שצ'ניקוב	נטליה
2264	054-6388755	פירס	אריה
	050-5758537	ירמק	דימיטרי
2114	052-8143489	צנעני	יובל משה
מעבדה טרנסגנית			
2719	050-5109761	הפנר	ד"ר רבקה
3221	054-7521826	ברקוביץ	ד"ר אלינה
3221	052-8446033	פרץ	סימה
3221	052-4802505	דאמרי	גולדה
היסטולוגיה			
2473	052-8271900	ברנר	אורי
3218	054-4431843	כהן אוסין	מרינה
3218	054-6762810	רענן	כלנית
3218	050-3014684	סרגייב	ויקטוריה
3218	050-7470922	ורד	חנה
אריסון			
3093	052-3524747	תמר	אפי תמר
3093	052-3702794	רוזנברג	עוז רוזנברג
3093	050-4441821	מדמון	אלעד
רוטשילד / 41			
3442	050-5109652	אינו	איציק
3441	052-8379985	גומברוף	אריה

3447	050-4883344	כתר	אברהם
3446	052-8158797	בורוכוב	רון
2445	054-4451671	ג'מיל	איתן
3446	050-8126880	אלעזר	שושנה
3445	054-7660543	לוי	אסף
4330	050-6721028	ברכה	אליהן
4330	052-8637498	יהונתן	לוי
ממט"ק 400			
2838	050-5109648	אזולאי	מגי
2838	052-2301834	וקנין	דליה
2838	054-2002996	אלבז	מאיר
2838	050-8499323	נהרי	מורן
2838	052-5247725	בן סימון	שלום
2838	052-3989521	אמזלג	אלי
2838	054-9738820	דנין	עמית
2838	050-4518672	בלאיינך	איניו
2838	050-2470096	ברובר	אלה
דה ליאונסקו			
2743	050-5605820	סיני	מאור
יגלום			
2837	054-5884490	חסיד	מיטל
PDX			
2770	054-4760252	אורן	רוני
2503	052-3515759	זרביב	מירי
קנדיוטי			
9024	050-5109675	אלמוג	גבריאלה
5153	054-5594904	חופי	רועי
6556	052-3595045	טטרין	אנה
6556	054-8042236	גלזמן	אלה
6556	052-5215064	צוברי	דפנה
4916	052-7116435	חג'בי	צופר
6556	052-8230778	בכר	דור
6556	054-6296616	רגב	אסתר

רמפה + נהג			
2448	050-4110250	אברהם	איתן
	054-2638967	מלכה	אהרון
בינוי ואחזקה			
2449	054-2639160	פורר	ספי
	050-7555168	גריף	דוד

Veterinarians

First Team	Cell.	Second Team	Cell.
Dr. Noa Stettner	050-5109634	Dr. Tzachi Eizenberg	052-2655369
Dr. Gil Hecht	052-8284524	Dr. Nati Ezov	052-2674855
Dr. Avishag Tuval	050-6680227	Vet. Hospital	03-9688503
Dr. Shelly Zinamon - Kestcher	050-7242390		
Dr. Ori Brenner	052-8271900		
Dr. Ifah Raviv Dayan	052-4826977		

F) Communication Network:

- i) **With power**
 - (1) Phone System
 - (2) Cell Phones
 - (3) E-mail

- ii) **Without power**
 - (1) Phone System
 - (2) Cell Phones
 - (3) Runners

G) Supplies

i) Emergency Response Personnel Supplies

This supply list is meant to help provide for the emergency response team's needs. The following should be kept accessible in the areas where individuals will be deployed. Extra supplies should be kept in the Command Center, Safety unit, to be distributed as needed to outlying areas.

- Drinking water -1 gallon per day/per person, keep 3 days worth on hand. Replace on a quarterly basis.
- Non-Perishable Food -in an airtight, pest-proof container. Replace on an annual basis or per expiration date.
- Flashlight / Lanterns and extra batteries- keep extra flashlights in CC to send out with personnel.
- Transistor Radio (with batteries).
- Rope.
- Tools needed to shut down equipment, gas tanks, etc. (when applicable).
- Extension Cords/ Plug adaptors.
- Fans.
- Space heaters.
- Utility knife.
- First Aid Kit-Identify any special needs ahead of time.
- Heavy-duty work gloves.
- Copies of emergency plan.
- Extra batteries for devices.
- Zip ties.

H) Emergency Animal Supplies

i) Water

- Local water companies who can bring in potable water via 55-gallon drums or in a tanker truck
- For Rodents, gel packs can be used. Gel packs provide a hydration source for rodents during shipping and can last up to five days.

ii) Additional Items (available as regular supply surplus)

- Food
- Bedding
- Clean cages

I) Temperature

Rodents 20-23 c

Rabbits 19-22 c

i) Notify the Command Center that the temperatures are extreme.

(1) Hot

- (a) Heat producing devices, such as the flow hoods and ventilated racks, can be turned off. Flow hoods can add two degrees to the temperature of the room. Since many of these are left on continuously, the switch should be moved to the off position if there is no power in the room.
This will reduce the risk of damage if there is a power surge. Shutting off the ventilation systems on individual racks should be done only after consulting with the Command Center.
- (b) Prop open animal room doors to increase cool air circulation.
- (c) Portable air conditioning units should be set up in the hallways and fans utilized to move cooler air into the rooms.
- (d) If these measures are still unable to bring temperatures down, the Command Center may advise technicians to remove the micro-isolator tops from cages to release heat and prevent the buildup of ammonia inside the primary enclosure. Again, this step should be taken only when instructed to do so.
- (e) Evacuate animals to alternate facility or consult with the veterinarian staff to determine other options.

(2) Cold

- (a) Use portable heaters to bring temperatures up.
- (b) If the power is off:
 - (i) Evacuate the animals
 - (ii) Consult with the veterinary staff to determine other options

J) Evacuation Procedures

i) People

- (1) Designate an area for personnel to gather. Roll call should be taken to assure safety of personnel.
Veterinary Resources – Hertzberg building
- (2) Have a back-up evacuation zone, in case personnel are unable to get to the designated site.

Wolfson

Communication is vital between these two areas.

ii) Animals

(1) Public Health Concerns

Consider the exposure of zoonotic diseases when identifying sites and transport routes.

(2) Animal Well-Being

Will the animals be put in greater jeopardy while in transit? Consider the following:

(a) Temperature

Can the micro-environment be controlled to keep the animal comfortable?

(b) Health Status

Will the health status of the animal be compromised rendering them unsuitable for the intended research?

2) Practice

Procedures for handling an emergency should be practiced so that staff and leadership are comfortable with them. To account for differences between facilities, guidelines specific to a particular area should be developed. Having differences in writing can help those unfamiliar with an area to accomplish assigned tasks.

a) Practice Fan-Out Calling

Be sure to create an understanding of how fan-out calling works. A person making an error at this stage can lead to not having enough staff to properly deal with the emergency.

b) Simulate an Emergency Response

A mock emergency should periodically be created to test all components of the emergency plan.

c) Make Sure Contacts Are up to Date

The list of contacts that is created needs to periodically be double-checked to ensure the information is up-to-date.

d) Find Flaws

After practicing, make sure to debrief with staff just like what would happen after a real situation. Feedback can provide ideas for improving the plan.

3) General Guidelines during an Event

a) Command Center (CC)

Identify the area that will be used for a command center. Campus wide emergencies should use the centralized command center; localized emergencies should utilize the area command center.

b) Priority List

Emergencies generally require a quick response. Having a priority list ahead of time can make decision making easier during an event. Personnel safety is of the highest priority during an event.

4) Personnel

If a situation is not safe for personnel, make sure that they are evacuated. A meeting place should be identified. A roll list should be kept by the Command Center to ensure that all are present and accounted for. Once all personnel are accounted for, the Command Center needs to evaluate lower priorities and do what is needed.

i) Public Health / Environment

If there are issues with hazardous substances, spills, releases etc., contact OSEH so containment or cleanup can occur.

ii) Animals

Animals should be prioritized in the following manner:

(1) Species

- (a) Non-Human Primates (NHP)
- (b) Rabbits
- (c) Rodents

(2) Value

- (a) Unique/ Rare Animals
- (b) Long-term studies or costly treatment participants

(3) Vulnerability

- (a) Temperature extremes
- (b) Security

(4) Manageability

- (a) Relocation ease

(5) Hazard

- (a) Able to contain hazards

iii) Facilities / Property / Equipment

Protection of facilities will fall to appropriate professional emergency response teams. Having an ordered list of facilities can assist the fire/rescue crews in deciding what to focus on, in case such decisions need to be made.

iv) Communication Network

Arrange to receive updates on the general situation and specific buildings. Remember that changes can occur quickly in an emergency situation. It is imperative the plant department and the status of the facilities are in agreement. Contact lists should be kept in the CC for ready access.

v) Staff Deployment

Once it becomes safe for staff to enter facilities, they should proceed to the assigned areas and check the animals' and facility conditions.

5) Evaluation

Now that the staff has been deployed, information about the situation should be coming in. Use the information to determine if animals need to be moved or where to take cooling/heating supplies.

i) Check the weather

If it is going to stay cool/hot for an extended period use that information to determine how to act. For example, if animals are on the border of being too cold/hot, be aware of what weather is predicted. If necessary, move the animals in advance to a designated safe location.

ii) Water Needs

If water is to come from an outside source (i.e. truck delivery) it will need to be determined quickly. Delivery could be delayed, depending on the conditions. If possible, position these in key areas prior to an events impact.

If this is not possible, a plan to distribute the water to the areas should be developed.

If gel packs are to be used, have staff place them outside the animal rooms so they are ready when needed.

Type of Disaster:

Type of Disaster	Likely Scope of Disaster	Geographical Boundaries	Population Affected (People/ Animals)	Length of Disaster (Hours/Days/ Weeks)	Effects
Fire	Low	Local- room	Both	Minutes-hours	Property Stocks Cages Documents
War	Medium	Country	Both	Days-weeks	Closure of ports Called personnel Direct damage
Terrorism	Low	Room	Both	Minutes-hours	Direct damage
Activists	Low	Room	Both	Minutes-hours	Direct damage, Public relation damage
Power outage	Medium	Building	Animals	Minutes-hours	Ventilation Air condition other
Earth quake	Medium	City	Both	Hours	Property damage Power and water outage
Train	Low	Building	Both	Hours	Fire Hazardous materials

Agency Services You May Need to Provide:

Animal Housing; In House, Temporary Shelters

Provide Food for Evacuated Animals

Medical Care; Veterinarian

Primate shelter

Animal Caging and Equipment

Portable Cages/Crates

Box Traps

Cat Carriers

Volunteers - Phone List Available

