

First Aid

- Keep calm to act carefully, quickly, and safely.
- Determine potential dangers at the site of an accident and move the victim to a safe area before applying first aid.

INSPECTION:

- **Respiratory rate** (normal respiratory rate 16 to 18 breaths per minute)
- **State of consciousness**
- **Hematomas, Bleeding**
- **Exposed fractures**
- **Spinal injury**

CHECKS AND TREATMENTS:

- **Radial pulse** (over wrist with the base of your thumb)
- **Carotid:** locate the adam's apple (trachea) and slide your fingers laterally to the side of the neck. Normal heart rate 60-90 beats per minute.
- **Trauma in neck area** (immobilize completely)
- **Bleeding** (apply compression)
- **Broken bones** (splint / immobilize)
- **Unconsciousness** (check breathing and pulse, if none start cpr)

RESPIRATORY / HEART STOPPAGE:

- **Open air way**
- **Mouth to mouth breathing**
- **Chest compressions** after 4 cycles (1 breaths and 30 compressions) check for a pulse.

ACCIDENT

Notification to Night Watch*

by radio or telephone
 by argentinian mobile phone **0260 447 1556**
 by foreign mobile phone **+54 260 447 1556**

Night Watch notifies Emergency Committee

Gualberto Ávila 15 440 0506 / 447 1191 / Int.111
Ricardo Perez 15 466 1750 / 447 0807 / Int.112
Rosa Pacheco 15 466 3140 / 15 466 9726 / Int.110
Jose Escalona 15 448 2210 / 447 1351 / Int.128

The Committee notifies Emergency Service

Ambulance (Amee) 446 4555 or 443 0060 or 447 1771
Hospital Malargüe 107 or 447 1048
Hospital Español 447 0900

The Committee organises Emergency Team

Guide Person
Rescue and Support Vehicle

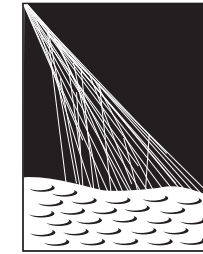
The Administration notifies

Medical insurance and University or Institute
Police Malargüe 447 1105
Fire department Malargüe 447 1030
Family

* The „Night Watch“ is the contact person of the observatory on duty at all times of the day.

Please complete the local record form at the observatory front desktop
 Observatorio Pierre Auger
 Av. San Martín Norte N° 304 – CP 5613 Malargüe, Mendoza, Argentina
 Tel.: +54 260 447 1556, www.auger.org.ar, info@auger.org.ar

More information and documents: www.auger.org/safety



**PIERRE
 AUGER**
 OBSERVATORY



**Safety & Health
 Information**

General Safety Rules

- Take into account and work to enforce the health and safety requirements set by the Observatory.
- All the Observatory staff must comply with the safety standards.
- All posted instructions, safety notices, and warnings are standards that must be followed.
- Pay attention to your supervisor, superior, and security chiefs. They know from experience what causes accidents. If you have any questions, just ask.
- If you see any situation or scenario that could cause an accident, report it immediately. You must report all accidents and incidents without exception.
- Don't rush or get distracted while performing your work. Your neglect can cause a serious accident to either you or others.
- In any emergency try to act quickly but also carefully.

Clean and Order

- Be careful to place trash in the proper receptacles.
- Keep your work area clean and tidy, and put tools away when done. Poor organization leads increasingly to accidents.
- Make sure that no cables or wires are lying on the floor.
- Never block access to emergency exits, electrical control panels, safety faucets, medicine cabinets, etc.
- Keep any machines or equipment you use clean and in good working condition.
- Return all tools to places intended for them after use.

Individual Safety Equipment

- The worker is required to comply with all recommendations made to him concerning the use, maintenance, and care of equipment or personal protective element.
- Dress appropriately for work. If special safety equipment has been given to you, such as helmet or goggles, use it while working.
- Use safety equipment in all indicated places.
- Check the condition of your personal safety equipment daily.
- Keep your personal protective elements stored in a clean and safe place when not in use.
- Remember that each person working must have their own safety equipment, do not share.
- If your safety equipment is damaged or missing, request a replacement.

Fire Prevention

- Do not obstruct access to fire fighting equipment and fire exits.
- Report smoke or fire to your supervisor and the Night Watch* immediately.
- Smoke only in the designated areas.

Handling and Lift

- Ask for help every time you need to move heavy objects.
- Use proper lifting technique: lift with your legs, not with your back. Keep your back straight. Try to keep the weight close to the body.
- Try not to rotate your waist while lifting heavy objects.
- Avoid heavy lifting on wet surfaces.
- While carrying heavy objects, make sure in advance that your path is free from obstructions.
- When you push a load, you must brace your feet and use your back instead of your hands and arms to apply force.

Electrical Safety

- Only authorized personnel may access electrical controls and high-voltage areas.
- All electrical failures must be reported immediately. Do a visual check in order to see if there is any physical damage to the plugs, wires, switches, or equipment.
- Any repair, connection, extension, or other action to be performed with cables, switches, boards, or electrically powered equipment must be done by the LOCAL STAFF electricians. Do not try to fix electrical equipment yourself instead notify the LOCAL STAFF about any problems immediately.
- When one or more circuit breakers disconnect from an electrical circuit the worker should not activate it unless they know the reason the circuit breaker disconnected the power. After a second disconnection the worker must notify the electrician to investigate the reason of the disconnection.
- Immediately report any detected or observed abnormality in the operation of any equipment or wiring.

Poisonous spiders in the field

Spiders and their eggs are located frequently in holes and dark corners of detectors and tanks as well as underneath of covers and cable ducts, the water catch tank, and inside the battery compartment.

These precautions help to prevent bites:

- Always wear protective gloves and spray an anti-spider solution.
- If removed in the field, shake clothing, gloves, and footwear before putting them back on.
- Before removing tank supplies (covers, battery box, lid) watch for spiders. If you detect any, stop your task and make notes on a form.
- If you remove the lid of a tank or the battery compartment, throw it to the floor immediately because it is not possible to see any spiders sitting on the inner side beforehand. Also watch the styrofoam of the battery and the backside of covers.
- Only change the water catch tank if you are sure that there are no spiders or eggs.
- If you get bitten, notify the Night Watch* immediately. Wash the area with soap and water. Apply ice or something cold (e.g. a cold and wet towel) on the bitten area.

Communications and reporting obligation

- The Night Watch* at the Observatory is your back up; keep him informed of any problems.
- You must inform the Night Watch* about your departure time and destination, moves in the field, your estimated return time, your companions and any other significant facts (if necessary the mileage and fuel status).
- ALWAYS stay in touch with the Night Watch*. You must report to him by radio or mobile phone with a frequency of two hours or less and on arrival or return from a location.
- The absence of communication to the Night Watch* for more than two hours will result in a search operation for a possible accident.
- **If you go to the field alone for reasons unrelated to work ALWAYS carry a radio and contact the Night Watch* in any emergency.**
- **In the event of an ACCIDENT ALERT THE NIGHT WATCH* by radio or mobile phone to activate accident and emergency services (see emergency numbers on back side).**

Vehicles and driving in the field

- Request permission to drive from the SITE MANAGER and request a vehicle from MAINTENANCE.
- NEVER GO TO THE FIELD ALONE. Ask someone to go with you.
- Think ahead about your trip to the field: check departure and arrival timing, goods, radio, spare batteries, mobile phone, and map.
- When you go out to the field always take a radio or mobile phone and spare batteries.
- Check for your rescue supplies placed in the truck: jack, slings, first aid kit, and fire extinguisher.
- Check the conditions of your vehicle: tires, lights, brakes, etc..
- Follow traffic signs and traffic regulations of Argentina:
 - Always turn on the driving light when driving.
 - Obey speed limits:
 - maximum on route 110 km/h, on gravel roads 60 km/h.
 - Use the seat belt. It eliminates about 60% of deaths in accidents.
- Park safely on slopes. Always apply the parking brake.
- The most common causes of accidents in Argentina are speeding, use of alcohol or drugs when driving, or fatigue. Avoid these risks!

Roads

- Paved and busy roads are recommended since they are safer and, in case of an accident, they give good access to emergency services. Especially if you operate outside the limits of the OBSERVATORY it is recommended to use paved and busy roads (see road map on back side).
- Travel on gravel roads is not recommended: they are not busy and in some areas there is no phone or radio signal.
- Drive carefully because there is always the possibility of unexpected gravel, road holes, animals on the road, or black ice.
- In case of a thunderstorm and heavy rain leave the field immediately using well accessible roads.
- Don't go to unknown places without consulting the LOCALSTAFF.

*The „Night Watch“ is the contact person of the observatory on duty at all times of the day.