

## Service and Measure Groundwater Field Site Generic Site Hazard Analyses

**Required Protective Clothing and Safety Equipment:** leather gloves, wasp spray, first-aid kit, protective eyewear, latex gloves, water, snake guards, reflective vest, hardhat, fire-retardant clothing, steel-toed footwear, back support, cell phone

Sequence of Basic Job Steps	Potential Accidents/Hazards	Recommended Safe Job Procedures
Loading and unloading the equipment.	Pinching fingers, mashing toes, or back strain.	Stay alert, be aware of hand placement, use proper lifting techniques, lift with legs. Use caution lifting heavy equipment.
Driving to and returning from the work site.	Traffic accidents.	Stay alert, be aware of other traffic around you, obey traffic laws and reduce speed when weather conditions are bad. Watch for downed utility lines.
Driving to and returning from the work site.	Stranded in remote areas.	Ensure someone knows where you are going and where you will be staying if an overnight trip is expected. Implement an office call-in procedure every night to ensure someone knows everything is OK. If required call in not made, ensure someone will begin rescue effort
Parking the vehicle.	Personal and vehicle safety when exiting the vehicle in traffic.	Use hazard lights, assess road-shoulder condition, and wear reflective vest when working in or near roadway.
Parking the vehicle.	Biting dogs	Be aware of surroundings before exiting the vehicle.
Parking the vehicle.	Potentially hostile land owners	Get owners permission before entering private property
Set up traffic control equipment.	Traffic & personal safety.	Be alert to traffic conditions.
Entering chemical plants and plants with construction.	Personal safety.	Wear hardhat, protective eyewear, fire-retardant clothing, and, steel-toed footwear, as required. View safety films, if provided. Observe posted speed limits and safety signs.
Making measurement with steel tape.	Wasp sting. Spider bite. Snake bite.	Be alert to wasps and spiders around vegetation and gage house. Be alert to snakes in grass, around gage house, around piezometers, along fence lines, and in well housing.
Making measurement with steel tape.	Back strain and falling.	Ensure well pump is in off position, if applicable. Use care and bend legs when using pipe wrench to loosen caps and breathers. Wear leather gloves. Use care when withdrawing steel tape from well to prevent back strain and tripping over unreeled tape on ground.
Making measurement with steel tape.	Dehydration and heat stroke.	Drink plenty of water.
Making measurement with steel tape.	Bleach spillage and chemical burns.	Use caution disinfecting steel tape to prevent splashing of chlorine bleach. Avoid contact with skin. Wear protective eyewear and latex gloves. Flush with water.
Making measurement with steel tape.	Biohazards in the field (Hantavirus, Lyme Disease, Rabies)	Determine which biohazards may be found in your field location and use proper personal protective equipment and common sense.

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Making airline measurement.	Gasoline spillage and inhalation. Chemical burns.	Use caution when filling gasoline tank of air compressor. Secure caps tightly to prevent fumes from entering the vehicle. Use proper ventilation. Avoid contact with skin. Follow operating instructions.
Making airline measurement.	Moving parts.	Use caution and keep long hair and loose-fitting clothing away from moving parts of production well and air compressor.

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