

Workers from a wastewater treatment plant

Occupational exposures/risks

- Biological risk
- Aerosols, dust, vapours, chemicals (H₂S, NH₃)
- External activities (summer, winter conditions, sun)
- Work at heights, risk of falls, drowning, sliding, falls from height, electrocution, small accidents
- Shift work
- Noise, vibration
- Confined spaces
- Physical demands (position, manual handling, force)
- Isolation conditions)

Several jobs/tasks

- Hydraulic engineer
- Water network operator
- Chemist
- Lab chemist
- Biologist
- Mechanic, & maintenance worker
- Electrician

Protective equipment

- Protective clothing, raincoat, padded coat, non-skid safety shoes, high boots, helmet, gloves
- Protective eyewear
- Hearing protection
- Facial Mask (with filter cartridge or a fresh air supply)
- Gas Detector
- Emergency lighting

Health demands

No relevant disorder of

- Lung function
- Cardiovascular system
- Vestibular system
- Hearing
- View function
- Skin
- Physical or mental system
- Metabolic system
- Body weight

Medical preventive examination

- Clinical examination
- Spirometry (e.g. aerosols, vapours, dusts, chemicals exposure)
- Cardiovascular function (e.g. heat or cold exposure, physical demands)
- Otoscopy and screening audiometry, air-conduction (e.g. noise exposure, recognition of sound alarm signals)
- Visual function examination (risk of accidents, perception of visual alarms)
- Locomotor system (e.g. apprehensiveness, grab, walk, climb, force, range of motion)
- Chest X-ray (biological risk, air pollutants, aerosols)
- Lab analyzes (to diagnose different sufferings, e.g. diabetes mellitus, infections)

Occupational medical expertise

- Risk assessment for each workplace and profession
- Collaboration in the occupational risk management
- Medical advice in accordance with the health status of each worker / group of workers (fit for work / specific activities / limits)
- Counseling on preventive measures (ergonomic, protective equipment, workplace adjustment, work schedule, vaccination, etc.)
- Workplace health promotion activity (topic proposals, member or coordinator of the team)