
HUMAN HEALTH

Ph.D in medical sciences, assistant professor
İsmail Efendiyev
Impacts on human health in the use of ARES - I

Wind
- Insomnia, dizziness, headaches, ringing in the ears, stress and depression symptoms
- Development of local and general vibration disease

Solar
- Electromagnetic field generation and its impacts on human health
- Professional risks (workers contact with toxic substances in factories, greenhouse effect generation)
- Negative impacts of toxic substances in accident cases
- Improper disposal of solar panels, toxic effects of lead and other metal compounds
Impacts on human health in the use of ARES - II

**SHPP**
- Pollution of water resources and drinking water sources during installation of SHPP
- Marsh, siltation, flow and development of Vector disease during construction
- Indirect impacts of change in artesian water quality and composition on human health
- Danger in interruption of natural absorption of toxic substances in water

**Geothermal**
- Release of toxic gases into the atmosphere during the operation of plants
- Risks arising from the use of subsoil water polluted with toxic substances in welfare

**Biomass**
- Risk of development of allergic respiratory diseases
- Acute and chronic pesticide poisoning
- Emergency situations such as fire and explosion
Mitigation measures and suggestions - I

Wind
- Installation of wind turbines 300 m far from residential areas and work places
- Use of modern technology to reduce noise
- Installation of wind turbines far from buildings and facilities
- Preparation of impact assessment and environmental management plan at the stage of drafting

Solar
- Take measures for regular cleaning of dust from solar panels
- Minimize the use of chemical detergents, waste water management, avoid discharge into the natural environment to prevent indirect impacts on human health
- Preparation of impact assessment and environmental management plan at the stage of drafting
Mitigation measures and suggestions - II

**SHPP**
- Taking measures to prevent the spread of vector disease, delay and stagnation in water flows, any obstacles in water pipes
- Preparation of impact assessment and environmental management plan at the stage of drafting

**Geothermal**
- Prepare plans for safety to avoid dangerous situations which may occur at the stage of drafting

**Biogas**
- It is possible to minimize potential hazards through placing restrictions on the biomass reservation and bio fuel storage
Спасибо за внимание!
Thanks for your attention!
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