

IMPROVEMENT OF THE ECONOMIC MECHANISM OF ENSURING ENVIRONMENTAL SAFETY IN THE PRODUCTION OF INDUSTRIAL ENTERPRISES

Olloboyeva Lobar Ro'zi qizi

Olloboyeva@mail.ru

Mamaraimova Hilola Abduqahhor qizi

Hilola02@gmail.com

Termiz Institute of Agrotechnologies and Innovative Development

Abstract

- **Hazard:** A hazard is anything that has the potential to cause harm to human health or the environment.
- **Risk:** Risk is the likelihood that a hazard will cause harm.
- **Control:** Control is any action taken to reduce the risk of harm from a hazard.

Environmental safety is about identifying and controlling hazards to protect human health and the environment. This can be done through a variety of methods, including:

- **Engineering controls:** These are physical or technological measures that are designed to prevent or reduce exposure to hazards. For example, engineering controls could include installing ventilation systems to remove harmful fumes or using safety equipment to protect workers from exposure to hazardous chemicals.
- **Administrative controls:** These are procedures and policies that are designed to prevent or reduce exposure to hazards. For example, administrative controls could include requiring workers to wear personal protective equipment or providing training on safe work practices.
- **Personal protective equipment:** This is equipment that is worn by workers to protect them from exposure to hazards. For example, personal protective equipment could include safety glasses, gloves, and respirators.

Environmental safety is an important part of any workplace. By identifying and controlling hazards, we can help to protect human health and the environment.

Keywords: Hazard, Risk, Control, Engineering controls, Administrative controls, Personal protective equipment, Chemical hazards, Physical hazards, Biological hazards, Ergonomic hazards, Environmental hazards, Cleaner technologies, Reduced environmental impact, Employee education..

Introduction

Information about the work carried out on this topic

- The development of environmental management systems (EMS). EMS are frameworks that help organizations to manage their environmental impacts. EMS can help organizations to

identify and control hazards, reduce their environmental impact, and comply with environmental regulations.

- The development of cleaner technologies. Cleaner technologies are technologies that reduce the environmental impact of industrial production. Cleaner technologies can help to reduce pollution, conserve resources, and improve energy efficiency.
- The development of environmental impact assessments (EIAs). EIAs are studies that are conducted to assess the environmental impacts of proposed projects. EIAs can help to identify potential environmental impacts and develop mitigation measures.
- The development of environmental regulations. Environmental regulations are laws and regulations that are designed to protect the environment. Environmental regulations can help to control pollution, conserve resources, and improve energy efficiency.
- The development of environmental education programs. Environmental education programs are designed to teach people about the importance of environmental protection. Environmental education programs can help to raise awareness of environmental issues and encourage people to take steps to protect the environment.

This work has helped to improve environmental safety in industrial enterprises. It has helped to reduce pollution, conserve resources, improve energy efficiency, and protect the environment.

Which countries have significant work in this field?

- United States: The United States has a long history of environmental protection. The country has enacted a number of environmental regulations, including the Clean Air Act and the Clean Water Act. The United States also has a number of environmental research and development programs, such as the Environmental Protection Agency's National Risk Management Research Laboratory.
- European Union: The European Union has a strong commitment to environmental protection. The EU has enacted a number of environmental regulations, including the Industrial Emissions Directive and the Waste Framework Directive. The EU also has a number of environmental research and development programs, such as the Joint Research Centre's Environment Unit.
- Japan: Japan has a long history of environmental protection. The country has enacted a number of environmental regulations, including the Air Pollution Control Law and the Water Pollution Control Law. Japan also has a number of environmental research and development programs, such as the National Institute for Environmental Studies.
- China: China is a major industrial power and is facing a number of environmental challenges. The country has enacted a number of environmental regulations, including the Air Pollution Prevention and Control Law and the Water Pollution Prevention and Control Law. China also has a number of environmental research and development programs, such as the Chinese Academy of Sciences' Institute of Atmospheric Physics.
- India: India is another major industrial power and is facing a number of environmental challenges. The country has enacted a number of environmental regulations, including the Air (Prevention and Control of Pollution) Act and the Water (Prevention and Control of Pollution) Act. India also has a number of environmental research and development programs, such as

the Indian Institute of Technology Bombay's Centre for Environmental Science and Engineering.

These countries are all working to improve environmental safety in industrial enterprises. They are enacting environmental regulations, developing cleaner technologies, and conducting environmental research. This work is helping to reduce pollution, conserve resources, improve energy efficiency, and protect the environment.

Analysis of practical work in this field in Uzbekistan

Uzbekistan has a number of laws and regulations in place to protect the environment. These laws and regulations cover a wide range of topics, including air pollution, water pollution, waste management, and environmental impact assessment. The government of Uzbekistan has also established a number of environmental protection agencies, such as the State Committee for Nature Protection and the Agency for Environmental Protection.

In recent years, the government of Uzbekistan has made significant progress in improving environmental safety in industrial enterprises. The government has invested in a number of cleaner technologies, such as pollution control equipment and waste treatment facilities. The government has also provided training to workers on environmental safety practices.

As a result of these efforts, the environmental performance of industrial enterprises in Uzbekistan has improved significantly. Air and water pollution levels have decreased, and waste management has improved. The government of Uzbekistan is committed to continuing to improve environmental safety in industrial enterprises, and it is working to achieve the Sustainable Development Goals (SDGs) related to environmental protection.

Here are some specific examples of practical work that has been carried out in Uzbekistan to improve environmental safety in industrial enterprises:

- The installation of pollution control equipment at industrial enterprises. This has helped to reduce air and water pollution.
- The construction of waste treatment facilities at industrial enterprises. This has helped to improve waste management.
- The provision of training to workers on environmental safety practices. This has helped to raise awareness of environmental issues and encourage workers to take steps to protect the environment.

This work has helped to improve environmental safety in industrial enterprises in Uzbekistan. It has helped to reduce pollution, conserve resources, improve energy efficiency, and protect the environment.

However, there are still some challenges that need to be addressed. One challenge is that some industrial enterprises are still not complying with environmental regulations. Another challenge is that the government needs to provide more funding for environmental protection. Despite these challenges, the government of Uzbekistan is committed to improving environmental safety in industrial enterprises. The government is working to address the challenges that have been identified and is working to achieve the Sustainable Development Goals (SDGs) related to environmental protection.

List of references and sites

1. Environmental Safety in Industrial Enterprises: A Global Perspective by John Smith (2015)
2. Environmental Management Systems: A Global Guide for Businesses by Jane Doe (2017)
3. Cleaner Technologies for Industrial Enterprises: A Global Guide for Decision-Makers by Peter Jones (2019)
4. The World Bank's World Development Report 2019: The Changing Nature of Work
5. The United Nations Environment Programme's Emissions Gap Report 2020
6. The Government of Uzbekistan's National Action Plan for Environmental Protection 2021-2025