

ENVIRONMENTAL RISKS AND FACTORS IN THE PRODUCTION OF DAIRY PRODUCTS

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Development recommendations for greening production in accordance with the applicable regulatory documents and implementation of environmental management in dairy plants.

Key words: ecology, risk management, environmental aspect.

One of the urgent problems of modern socio-economic conditions is to development mechanisms environmental and economic management enterprise, in particular, the formation of environmental risk management strategy in its framework.

Risk management - development and study of optimal programs of activity aimed at effective implementation of solutions in the field of security.

The main element of this activity - the process of optimal allocation of scarce resources to reduce different types of risk to achieve this level of public safety and the environment, which only can be achieved in terms of economic and social factors. [4].

Building management strategy is ambitious environmental risk management solution. Risk management program be based on the selection of risk within the minimum to the maximum.

In terms of environmental risk management by the analysis of the environment, can be understood:

a) environmental monitoring normal state of environment;

b) study of natural contaminants factors in the research region;

c) analysis of health population status;

d) research in the field new environmental technologies;

e) state environmental education of citizens.

Thus, minimizing damage and compromise achieved between the need to increase spending on environmental safety and expected benefits.

Determination purposes environmental management as one of the processes of formation of environmental risk management strategy consists of several stages.

First, you must determine the meaning of such management, Secondly, it should articulate long-term goals of environmental management, and thirdly, you need to identify short-term purposes. Installation purposes environmental management involves building a hierarchy of objectives [1].

Production activities of any company closely connected with nature. Drawing on the environment and using resources necessary and then, turning them back into the environment as waste and pollution, employees and the company's management should be aware of the need to preserve the environment and take environmental responsibility and commitment to reduce environmental pollution.

The environmental aspect - an element of the company, its products or services, which may have an impact on the environment. The presence following aspects, that work more or less environmental impact, characterized by each stage of production of products.

The organization shall establish and maintain procedures to identify the environmental aspects of its activities, products or services, which can control and that it could affect about in order to identify those aspects that provide or could provide significant environmental impact. The organization shall ensure that the aspects related to these significant actions are relevant to the environmental objectives.

For dairy businesses identification of environmental aspects of the organization should be based on the life cycle and technological stages production of products.

So you need to collect the required information where indicated possible negative environmental impacts at all stages of manufacturing products. [3].

As a result of the company having the following environmental aspects [2]:

- air emissions;
- wastewater discharges;
- power consumption;
- water use, etc..

Air emissions of the dairy industry can be divided into: emissions related core processes; emissions auxiliary shops and industries; emissions generated in the production of energy and as a result of the use of vehicles with internal combustion engines. The of structure of such emissions includes various gas companies and vaporous substances, and particulate emissions, different in their physical and chemical properties, toxicity and so on. P.

Wastewater dairy industry is divided into industrial and domestic. Industrial waste water generated as a result of manufacturing operations related to the washing process equipment, packaging, floor, decay products contaminated dairy products (white, milk fat, lactose, etc ..), household and domestic - polluted cleaners, various reagents, used in the laboratory (calcite and caustic soda, hydrochloric and sulfuric acid, etc ..).

In the case of wastewater of the dairy industry in reservoirs without cleaning exert harmful effects on the water last. Due to biochemical oxidation of organic compounds contained in wastewater from the reservoir is absorbed plenty of oxygen, resulting in flora and fauna reservoirs may die.

Characteristically electricity consumption in the dairy



industry for heating, lighting, operation of equipment is cooling. In the winter period, the company uses much more electricity to heat and run the process equipment and in the summer to cool the raw materials and finished products refrigeration systems.

In the dairy industry water consumption in enterprises and an average of 1000 m³ per day depending on the capacity of the plant. The water used in various industrial processes, for sanitary purposes as coolant (steam), washing area and more.

Therefore, to overcome and control the environmental aspects on dairy enterprises should:

- improve the efficiency of waste management;
- reduce air pollution;
- reducing water consumption;
- reducing energy consumption.
- creating ecological and economic groups

Conclusion

The main aspects that affect the environment in the production of dairy products are air emissions, discharges into water, soil contamination and waste disposal.

Therefore, it should be noted that the environmental management system for dairy companies is an important





prerequisite for the operation and development in the long run. Managers must understand its necessity and considered as one of the tools of modern management. The main directions of environmental policy for the dairy enterprises must not only scale up environmental aid, but also support and encourage people and employees to preserve the environment. It should be clear that the level of environmental conservation is one of the main factors of well-being and quality of life of society.

Apart from the companies should be considered gov-

ernment actions that should be based on: developing and approving legislation that will provide interest and encourage enterprises to action on the environmental situation of society, not just a particular company; conduct ongoing environmental policies; support businesses in implementing provisions and concepts based on preserving the environment; improve collaboration with employees and the public in the form of social dialogue at the expense of preserving the natural environment; disseminate international standards and management systems in Ukraine.

LITERATURE

1. **Aliyev Z.D, Burtsev M.** *Economic mechanisms of nature // Problems of the Environment and Natural Resources.* — 2008.
2. *The impact of food processing waste on the environment [electronic resource].* — Access mode: <http://eco.com.ua>
3. **Kostyuk O.D.** *Factors ensure the quality of milk in the conditions of market economy // Journal of Zhitomir State Technological University / Series: economic science.* — 2006. — №3 (37). — S. 181–184.
4. *Environmental management system. Requirements and guidelines for the application of ISO 14001: 2006.* — Effective as of 13.03.2006r. — K.: State Committee of Ukraine, 2006. — 17s. — (National standard of Ukraine).

Минагропрод изменит механизм поддержки животноводов

Министерство аграрной политики и продовольствия Украины предусматривает два возможных варианта поддержки животноводческой отрасли. Об этом заявил министр аграрной политики и продовольствия Украины Тарас Кутовой на пресс-завтраке в Минагропрод.

Первое направление поддержки животноводов предусматривает дотации на выкорм молодняка.

«Основные траты идут до года. Молоко не идет на рынок, а направляется на откорм скота. Также хотелось бы, чтобы молодняк не вырезали, чтобы выкормить остальной скот», — отметил он.

Второй план министерства более радикальный — дотации на кормовую базу.

«В Украине 700 тыс. га посевов для кормовой базы. Из них 25 тыс. га принадлежит крупным агрокомпаниям. Крупные компании не согласны с предложенным планом, так как они используют куку-

рузные комбикорма для откорма КРС», — сказал министр.

В случае реализации нашего плана, это частично компенсировало бы отмену спецрежима НДС. *Latifundist.com*

