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АНАЛИЗ ПРИЧИН АВАРИЙ НА ЖЕЛЕЗНЫХ ДОРОГАХ

В этой статье проанализированы причины аварий, произошедших в последние годы на железных дорогах; приведены статистические данные по числу пострадавших и погибших пассажиров. Опасные и чрезвычайно опасные продукты доставляются по железной дороге, где чрезвычайные ситуации могут привести к уничтожению токсичными веществами большого количества людей, загрязнению территории и стать причинами несчастных случаев.

Ключевые слова: аварии на железных дорогах, столкновение поездов, крушение поездов, травмы пассажиров, загрязнение ядовитыми веществами территорий близ железных дорог.

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ANALYSIS OF THE CAUSES OF ACCIDENTS ON RAILWAYS

This article lists the number of deaths and deaths of passengers on the statistical data analysis of recent railroads. The hazardous and extremely hazardous products are delivered by railway, where the emergency cases can lead to the destruction of toxic substances by a large number of people, contamination, contamination of the area and the causes of accidents.

Keywords: pollution, poisonous, train crash, accidents, harmful zones, train collision, injury of passengers.

Railway transport, which carries out huge volumes of passenger and cargo transportation, including dangerous and especially dangerous, belongs to the sectors of the national economy with an increased risk of accidents. The vast majority of the workers on the iron sheet shows high consciousness, perfectly perform their duties and try to ensure trouble-free operation of the railway system. At the same time, on a number of Railways the traffic safety situation is deteriorating, the level of labor and technological discipline is decreasing, the number of crashes and accidents is increasing. Therefore, in the complex of measures aimed at ensuring traffic safety and mitigating the consequences of crashes and accidents on rail transport, it is important to have prompt human intervention in further measures to eliminate the consequences of accidents. Until recently, Railways were considered the safest mode of transport.

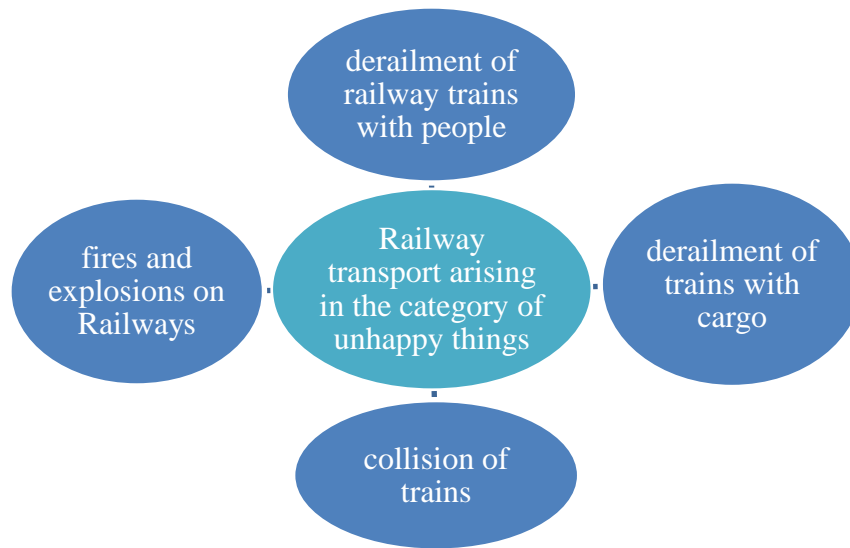
However, a more rigorous analysis shows that, in terms of traffic safety, rail transport ranks third after road and air transport. The safety of rail transport depends on a number of factors, in particular the technical condition of the railway infrastructure, rolling stock, traffic and rail transport, professional qualifications and the proper performance of duties by staff. issuance of safety permits, certifications and certificates, including inspections in this area, resolution of issues related to the resolution of documentation for the maintenance of the railway transport system prepared by their owners.

Static data of recent years indicate a significant number of victims and deaths in the crash of passenger trains. Emergency situations during the transportation of dangerous and especially dangerous goods by rail lead to significant destruction, contamination of the area and the defeat of toxic substances of large masses of people. When eliminating the consequences of such incidents, in addition to the organization of medical assistance to victims, it is necessary to carry out a set of environmental measures.

The causes of the above described emergency situations may be different but here are the main reasons, such are the following reasons:

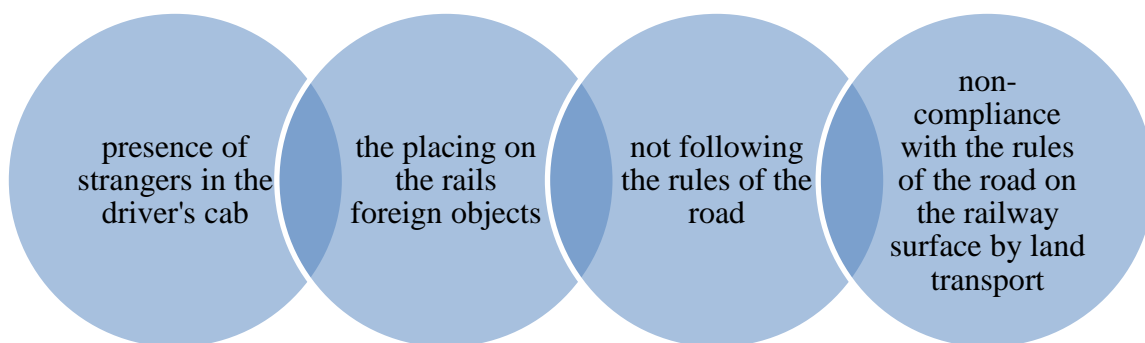
- violations of the rules of operation and wear;

- damage to equipment and railway tracks;
- natural wear and tear of technical equipment.



Picture 1 – Railway transport arising in the category of unhappy things

All accidents require immediate operational intervention by the railway operator and its solutions, on which the life and stable operation of the railway system depends. And railway transport plays a big role off the inner factor that leads to a crash is:



Picture 2 – Analysis of the problems stemmed from the study of railway traffic

The Manager must make the right decision, choose a strategy and calculate the most advantageous tactics, trying not to reflect this incident on all railway traffic (choose free railway tracks for trains following the emergency train), or calculate the time and distance allowed for trains moving one after another or in opposite directions. In their actions responsible for the chosen security strategy is exposed to

the problem of risk. Since he has to act immediately and has a choice, he runs the risk of making a mistake that could later cause the next train accident.

In this regard, it remains urgent to further improve the level of professional selection, pre-trip control and psychophysiological assessment of the workers of the leading professions in the industry. This should form the basis of preventive work to prevent emergencies in railway transport. A more difficult task facing the health care industry is to create and develop a rapid response system to provide the necessary medical care to victims, especially in large-scale emergencies. The main of them are:

a) a significant number of victims (often fatal) among railway personnel and passengers on trains, on passenger platforms and in railway station buildings, as well as the population of the surrounding areas;

b) features of the structure of railway injuries by localization, nature and severity;

c) the need to work in conditions of shortage of own forces and means for the provision of medical care in a timely manner and in the proper amount.

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