ANALYSIS OF ECOLOGICAL SAFETY INDICATORS OF FIREPLACE ELEMENTS AFTER A FIRE

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Analysis of the indicators of ecological safety of elements of a burnt area after a fire is a relevant task in view of the need to ensure compliance with the requirements contained in the Order of the State Emergency Service of Ukraine No. 618 (on the main activity) dated September 20, 2013 "On approval of the Regulations on the organization of environmental support of the State Emergency Service of Ukraine" both during times of armed aggression and the post-war reconstruction of the country's critical infrastructure and economy in the historical perspective of ensuring the goals of sustainable development defined in the Decree of the President of Ukraine No. 722/2019 dated September 30, 2019 "On the Goals of Sustainable Development of Ukraine for the period up to 2030" [1-4].

The purpose of the study is to obtain relevant information on the indicators of ecological safety of elements of a burnt area after a fire as a basis for further research on ensuring the technogenic and ecological safety of the functioning of technical units of institutions and subdivisions of the SES of Ukraine, as well as the development of relevant recommendations and environmental protection technologies.

The object of the study is the indicators of technogenic and ecological safety of the functioning of institutions and units of the SES of Ukraine both during the armed aggression and during the post-war reconstruction of the country's critical infrastructure and economy in the historical perspective of ensuring the goals of sustainable development.

The subject of the study is the impact of the indicators of ecological safety of elements of the burnt area after a fire on the object of the study.

References:

1. Наказ ДСНС України № 618 (з основної діяльності) від 20.09.2013 р. «Про затвердження Положення про організацію екологічного забезпечення ДСНС України». – URL: https://zakon.rada.gov.ua/rada/show/v0618388-13#Text.

2. Research of Properties and Rational Composition of Ecosafe Building Materials with Ash-and-Slag Waste from Masute Fuel And Coal Combustion / O. Kondratenko, V. Koloskov, H. Koloskova, V. Babakin // Key Engineering Materials. – 2023. – Vol. 935, pp. 85–97. – DOI: 10.4028/p-RwzP9p.

3. Зольне гранулювання насіння у пакуванні насіння з використанням небезпечних відходів тваринництва / В.Ю. Колосков, Г.М. Колоскова, О.М. Кондратенко, Є.В. Стороженко // Technogenic and ecological safety. – Х.: НУЦЗ України. – 2022. – № 12(2/2022). – С. 65–71. – DOI: 10.52363/2522-1892.2022.2.8.

4. Кондратенко О.М. Науково-методологічні основи захисту атмосферного повітря від техногенного впливу енергоустановок з поршневими двигунами внутрішнього згоряння: дис. д-ра техн. наук: спец 21.06.01 – екологічна безпека [Рукопис] / Олександр Миколайович Кондратенко. – Х.: НУЦЗ України, 2021. – 465 с.