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CLEAN ENVIRONMENT – SUCCESSFUL COMMUNITY

Introduction. Ecology is one of the most important factors that influence human health. Green forests, ecologically clean rivers and reservoirs, fresh air, all these are sufficient for human health. However, every year the environmental conditions in Ukraine deteriorate: the amount of garbage emissions increases, as a result, we have huge landfills which litter the biosphere, releasing harmful chemicals that influence human life.

Thus, the issue of distinguishing the causes of the problem given and finding the preventative measures is under consideration nowadays. The main cause of the global environmental catastrophe is human negligence and indifference because people not thinking about the consequences neglect the fact of landfills appearance. Due to the raise of humans' awareness and technological progress there is a solution.

Review of recent publications. American waste expert Paul Connett once told, "Garbage is not a substance, but an art – the art of mixing various useful things and objects, thus determining the place in the landfill." [5] These words prove the need to introduce a separate garbage collection in order to reduce the amount of garbage on Earth. The question has been studied by H.I. Sydorenko, I.I. Datsenko, A.P. Shytskova, Yu.V. Novikov and others.

Objectives of the paper. The problem of garbage and unauthorized landfills is significant and requires the solution. People often do not understand this importance and do not think about sorting out garbage. That is why the main goal of the research is to attract public's attention to the global problem of solid waste, to inform about the garbage sorting, to increase the environmental culture and consciousness of the people, in particular the villagers, and to implement environmental measures since by understanding the importance of a clean environment, the community will become tidy and successful.

Results of research. It is known that the issue of ecological processes happening recently appears to be a worldwide problem. Thus, many countries suffer from poor ecological state of environment, including air, water, soil contamination as well as noise pollution. Not only urban, but also rural territories face the mentioned above problems. In this research we are going to present the ecological situation of the native village, which appeared almost 2 years ago, considered. This problem has attracted our attention since it is quite close to every resident of the village of Bratslav. The following information will present the results of our factual investigations.

Having been a member of the student conservation group, we learned that there is a certified landfill in the community and that residents can often see landfills on forest belts and in abandoned buildings. The study shows that the composition of household waste is approximately as follows: polyethylene – 41%, food waste – 12%, glass – 21%, iron and its alloys – 10%, plastic – 5%, wood – 5%, rubber and leather – 3% , paper – 2%, others – 1%.

From this statistic, we see that polyethylene, especially plastic bags, which are blown away by the wind not only in the landfill but also in the surrounding areas, is dominant in the content of landfills. To finally dispelling the doubts, such an experiment was conducted. An ordinary bag of 20 cm by 25 cm was taken.

Carrying out the calculation, it was learned that 20 packages can cover 1 m² of the surface. If one person uses about 6-7 packages every day, in a month about 200 of them will be used, which will cover 10 m². The obtained results led to the conclusion that it is necessary to sort packages and send them for recycling to avoid contamination of settlements.

Continuing the research, Bratslav plant of utilities was found to have signed agreements with the public on the collection of sorted garbage. So, the local government began to introduce garbage composting in the village. Residents received labels of four colours which were supposed to indicate garbage: yellow – plastic, green – glass blue – paper, black – the rest.

To study the opinion of the population on environmental pollution and the introduction of a system of separate garbage collection, we surveyed the residents of Bratslav. 57 citizens were interviewed.

To the first question: "Are you polluting the environment?":

26 people said: "Yes, human life is impossible without this ";

14 people - "I do not cause much harm to nature";

9 people - "Enough for my age";

4 people - "I care about the environment, I mostly use eco things";

4 people - avoided answers.

The second question: "Do you sort garbage?" – The answers were as follows:

49 people - "No"

8 people - "Yes"

The respondents divided into groups according to their attitude towards the issue. Thus, 34 of them said "we will sort", 17 – "I do not know, maybe. Does it make sense?" and 6 people – absolutely "no".

The members of the circle continued to conduct educational activities for the population telling them about the economic, environmental and aesthetic benefits which they will receive by garbage sorting. We also produced and distributed leaflets and brochures with information on the separate collection. Moreover, the practice of sorting in our families began as well as relatives and acquaintances were involved. More and more families began to sort every month.

So, today containers of appropriate colours have been installed in Bratslav, and sorting garbage is not the beginning of something new, but a common action that has

been actively practiced for two years. Within some time, the survey on separating garbage was repeated again.

The questionnaire consisted of the same two questions and involved 57 citizens as two years before. The respondents answered the first question "Are you polluting the environment?" in the following way:

4 people said, "Yes, human life is impossible without this";

16 people – "I do not cause much harm to nature";

8 people – "Enough for my age";

24 people – "I care about the environment, I mostly use eco things";

5 people avoided answers.

The second question: "Do you sort garbage?" had the answers as follows:

13 people – "No"

44 people – "Yes"

53 out of the respondents claimed that they will sort the garbage, 3 people said "I do not know, maybe. Does it make sense?", and 1 person answered "no".

Comparative description was conducted and the gotten results on how the attitude of the population to separate garbage collection showed that it has changed. As a consequence, we can observe the positive dynamics of reducing landfills. It is also known that in the future it is planned to install a waste sorting line.

Thus, the waste will be sufficiently divided into two groups: "wet" and "dry". "Wet" (food waste) will be composted and "dry waste" (waste paper, glass, plastic, etc.) will be sorted and recycled. By the way, the sale of sorted garbage will allow additional revenue to the community budget.

The main rule to remember: mixed waste is garbage, separately collected waste is a resource, a material from which you can make new useful things.

Conclusion. Reckless dumping or incineration of waste causes irreparable damage to the environment, so there is a global problem to be thought about in order to find the ways to solve it.

The reduction of the negative impact of garbage and waste on the environment, soil, groundwater and surface water by sorting garbage must be. Therefore, the system of separate garbage collection will reduce the amount of waste to be disposed of, will help solve environmental and social problems and contribute to resource conservation.

An important issue in the introduction of the system of separate garbage collection, in addition to explanatory work among the population, is also the establishment of a market for sorted garbage, which, in turn, creates the preconditions for additional revenues to the local budget.

References

1. Екологічні проблеми забруднення в Україні: смітники. Реферат. 11. 07. 2011р. [Електронний ресурс]. Режим доступу: <https://osvita.ua/vnz/reports/ecology/21417/>

Ecolohichni problemy zabrudnennia v Ukraini: smitnyky. [Environmental problems of pollution in Ukraine: landfills]. Referat. 11.07.2011. Retrieved from: <https://osvita.ua/vnz/reports/ecology/21417/>

2.Пилипюк С. Як сортувати сміття: 8 простих кроків / С. Пилипюк. 14.08.2018. [Електронний ресурс]. Режим доступу: <https://www.the-village.com.ua/village/city/city-guide/275111-yak-sortuvati-smittya-8-prostih-kroktiv?from=readmore>

Pylypiuk S. Yak sortuvaty smittia: 8 prostykh krokiv [How to sort trash: 8 easy steps] / S. Pylypiuk. 14.08.2018. Retrieved from: <https://www.the-village.com.ua/village/city/city-guide/275111-yak-sortuvati-smittya-8-prostih-kroktiv?from=readmore>

3.Чому потрібно сортувати сміття. Виконавчий комітет Івано-Франківської міської ради [Електронний ресурс]. Режим доступу: http://msdp.undp.org.ua/data/publications/chomu_potribno_sortuvaty.pdf

Chomu potribno sortuvaty smittia [Why is it needed to sort garbage]. Vykonavchyi komitet Ivano-Frankivskoi miskoi rady. [Electronic resource]. Retrieved from: http://msdp.undp.org.ua/data/publications/chomu_potribno_sortuvaty.pdf

4. Шаповалова М. Сортування сміття – красиве і корисне / М. Шаповалова. 02.05.2018. [Електронний ресурс]. Режим доступу: https://lb.ua/society/2018/05/02/396399_sortuvannya_smittya_krasive_i_korisne.htm

Shapovalova M. Sortuvannia smittia – krasyye i korysne [Garbage sorting is beautiful and useful] / M. Shapovalova. 02.05.2018. Retrieved from: https://lb.ua/society/2018/05/02/396399_sortuvannya_smittya_krasive_i_korisne.htm

5.Mariana Della Barba 13 Tips on Sorting Waste. How to recycle more efficiently. / M.D. Barba. 06.12.2018. Retrieved from: <https://believe.earth/en/13-tips-on-sorting-waste/>

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THE IMPACT OF FAMILY STRUCTURE ON THE HEALTH OF CHILDREN: EFFECTS OF DIVORCE

Introduction. The demographics of families are changing, and with that, the philosophical underpinnings of relationships are also changing. Many young adults consider marriage is old-fashioned and open cohabitating relationships provide a healthier option that is more conducive for personal development.