

## GENTLE ECOLOGY FOR NIZHYN

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Nizhyn is a district center of the Chernihiv region. It is situated on the both banks of the Oster-River. It is a junction of railway and automobile ways. The territory of Nizhyn is 42 sq.km and its population is 79.9 thousand inhabitants.

Nizhyn is industrial the developed center of Chernihiv region and the enterprises of machine-building, food and chemical industries play a considerable part in life of it. Specific gravity 16 basic industrial installation in the general production amount is as following: food industry – 31,7 %, machine-building industry - 33,3 %, chemical industry - 15,0%.

The Oster river a left tributary of the Desna-River flows through Chernihiv region. The area of its basin is 2 950 sq.km, the length is a 199 km. The number of small rivers, which fall into the Oster-River is 65, and their length is a 509 km. The basin of the Oster-River is marshy and there are peat bogs here. The Oster-River is used mainly for economic everyday needs, and for fish-breeding. The Oster draining system is built in the black-water of the Oster-River.

The main enterprises, the suppliers of the sewage, are:

- plant «Progress»: where photo goods, photo-equipment, medical equipment, and household goods are produced;
- Nizhyn mechanical plant which produces the equipment and devices for agro cultural and industrial complex;
- Nizhyn agricultural machine-building plant which produces equipment for poultry farming, automobile and bicycle parts, armature for gas and water pipes;
- Nizhyn beer plant, the producer of different kinds of beer;
- Nizhyn zhyrocombinat which produces and sells drying oil, varnishes, oils and oilcake.
- Nizhyn paint plant (NIFAR) which produces varnishes and paints, washing pastes, and means for protection of vegetation.

The other enterprises, the suppliers of the sewage, are:

- milk plant;
- Nizhyn furniture plant;
- Nizhyn central repairing plant;
- meat-packing plant;
- the Railway station “Nizhyn”.

As for the water-supply and overflow pipe I must say that separate state and public organizations and structures of ecological direction operate in our town nowadays. They carry out their functions according to the law and within the limits of authority regulations.

Such organizations and structures are:

1. Nizhyn administration of plumbing-sewage economy;
2. Regional state ecological inspection of Nizhyn region;
3. Sanitary-epidemic station;
4. Ecological structures of town council;
5. Department of the sanitary cleaning of the town;
6. Public ecological organizations called «Zeleny Svit», «MAMA-86», «NEMO».

Water-supply in Nizhyn is carried out from the centralized system, public and private wells. The sources of the centralized system - underground water of Nizhniecreydiany and Buchatsky horizons; the sources of the public objects are subsoil waters, the depth of which is over 5 ms. The first water-supply system and pump stations were built in a town in the town in 1928. The length of the centralized water-supply system is 175,2 kms, the number of public wells is 225. 10% of them need repairing.

Cleansing construction were built and put into operation in 1975. The projected capacity of the first is 14 343 m<sup>3</sup>/day. But according to the project the perspective leading of power is foreseen to 27 105 m<sup>3</sup>/day. In 1999 4 555 thousand of m<sup>3</sup> of sewage passed the complete biological cleaning.

Cleansing building are intended for complete biological economic everyday and industrial sewage of enterprises of Nizhyn.

In conclusion I would like to say that town administration, town Council and public organizations take every measure as for the improving of the ecological state and ecological sanitation of water objects, however they are inadequate to the demographic situations and the state of objects of living maintains that were actually formed in the town.