

Dry toilet demonstration sites in Russia

Household wastewaters from small settlements in the Leningrad region are usually not processed at all. Releases of household wastewaters from settlements in rural areas of the Leningrad region considerably contribute in the pollution of rivers and lakes, and thus of the Baltic Sea.

After the series of publications and seminars on ecosanitation implemented by the Centre for Environmental Initiatives (CEI) with support of CCB during recent years, a lot of people got very interested in the proposed methods, and some started to build and use ecotoilets. However, neither of the newly built facilities could be used as demonstration sites.

This summer, CCB supported a CEI project on construction of two demonstration sites in the region. Both are dry urine separation toilets built in dacha areas, one on the South shore of the Gulf of Finland, and the other – on the North shore. The ‘north’ facility is a separate utility, and the ‘south’ site combines a toilet and a shower in one structure.



In Fig. 1, the variant of installation of the separation toilet seat at the south demonstration site is shown. To the left from the toilet seat you can see the box with thin wood chips (sawdust) to spread over faeces if needed, and to the right, near the ventilation pipe – the water bottle with small hole in its cork – to rinse the urine bowl and pipe with extremely small amount of water.

Figures 2 a to c show three different (plastic, concrete and wooden) boxes used for composting faeces.



Figure 3 shows how urine is being diluted and Fig. 4 – how it is being spread over grass.



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