

Wastewater treatment—Why?

The quality of the water sources is strongly affected by the discharge of human sewage. Therefore, the main practical measure to protect surface water quality is to purify wastewater.

The first step for treatment is to collect sewage through complicated systems due to the many points of discharge to be piped to the treatment plant. Finally, purified water is returned to the source of which was captured for water supply.



Wastewater by microbiological load that transports is a major risk to human health. Our quality of life depends on the water quality around us.

Nature has its own mechanisms of treatment, but insufficient to purge large flows of wastewater increasingly loaded, both from industry and from the population. Wastewater pollution result is immediately visible: smelly rivers and lakes where fish die becoming hotbeds of infection, thus making difficult the water treatment process for drinking purposes.



Wastewater pollution is punishable by law. The main specific bill is the Government Decision no. 188 of 28 February 2002, revised by Government Decision No 352 of 21 April 2005 on discharge conditions in the aquatic environment of waste water, regulations transposing into Romanian legislation the Council Directive 91/271/EEC on the

European Urban Waste Water Treatment.

So, getting good quality water for consumption as lower cost possible is directly dependent on raw water characteristics, either from rivers or underground, which in turn depends on the pollutant load of wastewater.

***Because wastewater treatment is a priority
for all of us,***

**The Scientific and Technical Council of the Romanian Water
Association will organize within the complex of events
EXPOAPA 2012**

**Scientific and Technical Conference on:
“New technologies for wastewater treatment”**

CALL FOR PAPERS

**SCIENTIFIC AND TECHNICAL CONFERENCE
NEW TECHNOLOGIES FOR WASTEWATER TREATMENT
12–13 JUNE 2012 BUCHAREST**



Proposed themes for debate:

- Wastewater treatment plants in sensitive areas;
- Wastewater treatment plants in localities under 10.000 inhabitants;
- Problems arising in operating large wastewater treatment plants ;
- Automated monitoring of the wastewater processes;
- Reuse of treated wastewater;
- Management of sludge from treated wastewater;
- Advanced technologies for wastewater treatment;
- Optimal costs for investment and operation.



You are invited to participate with papers and not only!

The Conference objective is to provide a common ground for engineers, scientists and economists, to present the latest scientific and technological results. The conference will serve as a platform for exchange of experience and know-how among professionals from academia, suppliers of equipment and last but not least, the water and wastewater operators.



At this conference, the theme of wastewater treatment will be regarded globally, which means that problems regarding the processes and technologies will be analyzed together with those relating to economy and environmental analysis in an integrated perspective.

Please feel free to send us your papers which will include theory and practical application of new technologies in the field of wastewater treatment, as well as sludge management .

Useful information:

- Registration of participation by submitting the abstract of the paper at cts@ara.ro or Fax: +40 21 316 27 68, by 15 January 2012.
- Abstract will be in Romanian and English language, in A4 format and will not exceed 300 words. It will have “keywords”, the names and contacts of the authors.

We are at your disposal!

Conference Secretariat: Eugenia Demetrescu, Eng.

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www.ara.ro

<http://www.araexpoapa.ro/index.php/conferinta-tehnico-stiintifica-2012>

