



РЕПУБЛИКА СРБИЈА
МИНИСТАРСТВО ЖИВОТНЕ СРЕДИНЕ
И ПРОСТОРНОГ ПЛАНИРАЊА

Омладинских бригада 1
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REPUBLIC OF SERBIA
MINISTRY OF ENVIRONMENT
AND SPATIAL PLANNING

1, Omladinskih brigada Str.
11070 New Belgrade



По мери природе



WATER PROTECTION IN THE REPUBLIC OF SERBIA

MONITORING AND CONTROL OF THE WATER QUALITY

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COMPETENCES IN THE WATER SECTOR OF THE REPUBLIC OF SERBIA

- Ministry of Environment and Spatial Planning
- Ministry of Agriculture, Forestry and Water Management
- Ministry of Health
- Ministry of Infrastructure



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Ministry of Environment and Spatial Planning is responsible for state administration work related to:

- **System of protection and sustainable use of natural resources;**
- **Development of strategic documents, plans and programs of research in the field of sustainable use of natural resources;**
- **Development of groundwater balance-sheet and programs for detailed investigations of groundwater, providing material and other conditions for the realization of those programs;**
- **System of environmental protection and enhancement that comprise Trans - boundary water pollution, as well as early warning systems;**



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LEGISLATIVE FRAMEWORK

Legal framework for the protection of water from pollution in the Republic of Serbia:

- **Law on Environmental Protection (“Official Gazette of the Republic of Serbia” no. 135/04),**
- **Law on Water (“Official Gazette of the Republic of Serbia” no. 54/1996),**
- **Law on Water Regime (“Official Gazette of RS”, no. 101/2005),**
- **Law on Communal Activities (“Official Gazette of RS”, no. 16/97 and 42/98).**



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BYLAWS

- **Directive/Act on water classification (“Official Gazette SRS”, no. 5/68);**
- **Directive/Act on water courses categorization (“Official Gazette RS”, no. 5/68);**
- **Directive/Act on recompense for water use, recompense for water protection and recompense for the material extracted from the water courses for the year 2005. (“Official Gazette RS”, no. 46/91, 53/93, 67/93, 48/94, 54/96 and 29/2008);**



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BYLAWS

- **Rulebook on hazardous substances in waters (“Official Gazette SRS”, no. 31/82),**
- **Rulebook on hazardous substances that must not be discharged into waters (“Official Gazette SRS”, no. 3/66 and 7/66),**
- **Rulebook on procedure and number of wastewater quality analyzes (“Official Gazette SRS”, no. 47/83 and 13/84) etc.**



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INTERNATIONAL AGREEMENTS

Republic of Serbia has ratified following international agreements concerning management and protection of water:

- **Convention on Protection of the River Danube, and adopted the Decree on proclamation of the Law on ratification of Convention on Cooperation for the Protection and Sustainable use of Danube River, in 2003;**
- **SCG became a full member of International Commission for the Protection of the Danube River (ICPDR) on August 9, 2003.**



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INTERNATIONAL AGREEMENTS

- **Framework Agreement on River Sava Basin, Protocol on Navigation Regime to the Framework Agreement on River Sava Basin and Agreement on Provisions of Framework Agreement on River Sava Basin and Protocol on Navigation Regime to the Framework Agreement on River Sava Basin, in 2004;**
- **Republic of Serbia became a full member of the Sava Commission from the beginning.**



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WATER QUALITY MONITORING AND CONTROL

Systematic tracking of surface and ground waters quality characteristics is done in hydrological stations for water quality network and comprise sampling, physico-chemical, chemical, biological, bacteriological and radiological water analyses, due to identification of *water quality indicators*



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CONTROL MONITORING

- **Control monitoring of ground and surface waters is done in the second half of the year 2007 for the evaluation of water quality and tracking the pollution trends of water resources that are not included in Systematic monitoring:**
- **72 locations on accumulations and watercourses;**
- **3 locations on Veliki Backi Canal;**
- **10 locations of groundwaters;**



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CONTROL MONITORING OF VELIKI BACKI CANAL

Control monitoring included water and sediment of Veliki Backi Canal on 3 locations:

- **CRVENKA** – at the old railway bridge,
- **KULA** – by the poplars at the exit of Kula and
- **VRBAS** – under the bridge to Zmajevo and Backo Dobro Polje



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MONITORING OF VELIKI BACKI CANAL

- Within the *UNDP Western Balkans Environmental Hot Spot Remediation Project*, during hydrological season autumn-winter 2008, monitoring of water, sediment and hydrobionts of Veliki Backi Canal and lateral canals I-64, I-61 и KC-III
- The aim of the Monitoring was to determinate best technological solution for the primary treatment of waste waters of factories-polluters from Kula and Vrbas municipalities, where the biggest concentration of industrial waste is located.



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BOAT LABORATORY "ARGUS"

"Argus" is equipped with a modern laboratory, able to monitor the water quality, flora, fauna and sediments





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INTEGRATED POLLUTION PREVENTION AND CONTROLL

- In the Republic of Serbia, not one Integrated permission has been issued and neither one request for permit issuing has been submitted yet;
- According to the preliminary list, there are **244 facilities** in the Republic of Serbia which are submitted to the Integrated permission issuing based on the Law on Integrated Environmental Pollution Prevention and Control (2004);
- The revision of the list is in process;



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INTEGRATED POLLUTION PREVENTION AND CONTROL

Directive on the types of activities and facilities that require issuing of the Integrated permission, defines six sectors:

1. Energy Production;
2. Metal Production and Processing;
3. The Industry of Minerals;
4. Chemical Industry;
5. Waste Management and
6. Other activities.



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INTEGRATED POLLUTION PREVENTION AND CONTROL

- **According to the Directive on Identification of Program on Submitting Dynamics of Requests for the Integrated Permission, adopted in November 2008, the existing facilities will submit their requests from December, 2009;**
- **First in line, according to that Directive, is the Industry of minerals (Cement Industry, precisely);**
- **For new facilities, Integrated permission is requested before startup of the facility, according to the Law;**



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KEY ISSUES

- **Insufficiently harmonized national legislation with EU standards;**
- **There is no plan for the appliance of WFD;**
- **Insufficient institutional and other capacities;**
- **Insufficient communication between institutions;**
- **Inadequate financing and lack of economic stimulations;**
- **Long period of crises in economy and society;**
- **Non effective water usage in some areas;**
- **Bad water quality in some watercourses – insufficient orientation towards the water quality protection;**
- **National data bank not existing.**



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OBJECTIVES OF THE SUSTAINABLE USE OF WATER RESOURCES IN THE REPUBLIC OF SERBIA

- **Harmonization of national with EU legislation in the water sector, based on strategic documents-Action Plans – priority task;**
- **Implementation of the “polluter pays” principle;**
- **Compilation of the Register of Polluters;**
- **Renewal and upgrading of the monitoring system**
- **Developing of professional capacities**



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OBJECTIVES OF THE SUSTAINABLE USE OF WATER RESOURCES IN THE REPUBLIC OF SERBIA

- **Increase of available clean water through increasing the number of connections to the public water supply system;**
- **Increase the water quality in accumulations designed for the water supply;**
- **Improvement of water quality in watercourses-by construction of new treatment plants and more efficient work of existing ones, and by penalties for those who have facilities that are out of order;**



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Water protection and use is realised within the integral management of natural values, by conducting measures for preservation of surface and groundwaters and their reserves, quality and quantity

Waters can be used and loaded, and wastewaters can be discharged into recipients with previous adequate treatment, in such way and to such level that it does not pose a threat to natural processes or to restoration of the water resources quality and quantity, and which does not reduce the possibility of their multipurpose usage.



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Preservation of the natural goods -water resources-

Because of the future generations, it is necessary to decrease resources depletion, to stop the pollution and to preserve natural habitats.



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***THANK YOU FOR YOUR
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