IMPLEMENTATION ON WATER FRAMEWORK DIRECTIVE IN TURKEY

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WATER CONSUMPTION IN TURKEY ACCORDING TO SECTORS

Annual Usable Surface Water : 98 billion m$^3$
Annual Usable Groundwater : 14 billion m$^3$
Annual Total Usable Water : 112 billion m$^3$

Year 2010

Irrigation : 32 billion m$^3$ (%74)
Domestic : 6 billion m$^3$ (%15)
Industrial : 5 billion m$^3$ (%11)
TOTAL : 43 billion m$^3$

Year 2023

Irrigation : 72 billion m$^3$ (%64)
Domestic : 18 billion m$^3$ (%16)
Industrial : 22 billion m$^3$ (%20)
TOTAL : 112 billion m$^3$
Turkey is not a water rich country, moreover existing water resources are not evenly distributed in the country-wide.

Amount of usable water both technically and economically is 112 billion m$^3$

Amount of usable water is 1600 m$^3$ /capita.day
ENVIRONMENT SECTION CLOSING BENCHMARK

As a consideration to our country’s “Certificate of Negotiation Position”, 6 "Closing Benchmark" are specified.
ENVIRONMENT SECTION CLOSING CRITERIA

1. Acceptance of horizontal legislation and framework of environment acquis by European Union

2. Achievement of improvement as a result of Turkey’s acceptance of European Union’s water quality environment acquis (WFD). Preparation of River Basin Management Plans.

3. Acceptance of industrial pollution and risk management environment acquis.

4. Nature conservation, waste and rest of the sectors

5. Development of coordination and governmental capacity, basing on controlling

6. Fulfilling additional protocol obligations.
WATER LEGISLATION

By-Law on Water Pollution Control (2004)

Environment Law (2872-1983) (5491-2006)

By-Law on Urban Wastewater Treatment (2006)

Communiques
- Sensitive and rarely sensitive water bodies

Communiques and Circulars
- Methods of sampling and analysing
- Technical communiqué for wastewater treatment plants
- Administrative Procedure Communiqué
- Business Deadline Plan Circulars
- Project Confirmation Circular

- Law of Metropolitan Municipality
- Law of Municipality
- Law of Municipality Incomes
- Law of ISKI Formation
- Local Administrations Law

- By-Law on the Control of Pollution Caused by Dangerous Substances in Water and the Aquatic Environment (2005)
- By-law on Utility or Drinking Water Obtained or Intended to be Obtained from Surface Waters Quality(2005)
- By-Law on Wastewater and Solid Waste Tariff
- By-Law on Principles and Procedures to Benefit from Incentive Measures
- By-Law on Bathing Water Quality
Revision of current legislations
Environment Law/By Law of WPC

New Legislation

New Legislation

Water Law
By-Law on River Basin Protection
Responsibilities and Roles in River Basin Management

Coordination, Policy and Law-Making

PLANNING

- Water use
  - Agriculture, Drinking water, hydro-power, industry etc.

- Water investments
  - Dams, dikes, weirs, pumping stations, sets, river beds etc.

EVALUATION

- License, incentive
- Operational Water Management, permits, monitoring, sanctions, inspection
- Maintenance Construction

Integration with Other Policies

Directorate General for Environmental Management
<table>
<thead>
<tr>
<th>Action</th>
<th>Year</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Legal transposition</td>
<td>2011</td>
<td>Full transposition upon membership (transboundary parts)</td>
</tr>
<tr>
<td>2 Description of River Basin Districts</td>
<td>2012</td>
<td>Works continue on 25 River Basins</td>
</tr>
<tr>
<td>3 Preparation of RBMPs (River Basin Management Plans)</td>
<td>After 2014</td>
<td>The preparation of RBMPs are directly linked to the preparation of RBPAPs (River Basin Protection Action Plans) and Characterisation Reports</td>
</tr>
<tr>
<td>4 Implementation of RBMPs</td>
<td>After 2015</td>
<td>The conversion of RBMPs will continue. The ones completed, will start to be implemented.</td>
</tr>
<tr>
<td>5 Exemption</td>
<td>2027</td>
<td>The time of achievement of the good water status depends on the real problems in the basins.</td>
</tr>
</tbody>
</table>
According to Water Framework Directive, by 2015 in the case of reasonable grounds at the latest by 2027 member states must have a objective of reaching good water status for all water bodies.

Good water status including both “good ecological status” and “good chemical status”.

![Estimated National Water Body Status 2009](chart.png)
WATER POLICY

Instead of Isolated Solutions, Switch to Solutions Based on River Basins

Wastewater Treatment Action Plan
River Basin Protection Action Plan
River Basin Management Plan (RBMP)

BASIN PROTECTION ACTION PLAN

Legend
Completed
Will be revised
Start on second quarter of 2011
We are developing effective measures via monitoring focused on pollution sources basin wide. We will identify monitoring points in 25 basins in 2011 according to EU standards.
OUR COOPERATION WITH THE NEIGHBOURING COUNTRIES

With Greece, Ad-Hoc Joint Committee for Flood and Basin Management of River Maritza

With Syria, “Memorandum of Understanding for rehabilitation of Water Quality” depends sharing our WFD experience about Water Quality

Maritza Basin RBMP
Under the Chairmanship of the Minister of Forestry and Water Affairs “Water Quality Management Superior Board” has been established by a Prime Ministry Ordinance (Official Gazette dated 18 August 2010 no 27676)

NATIONAL WATER PLAN  
PREPARING WORK BEGAN

The Chairperson for National Steering Board for Water Quality: The Minister of Forestry and Water Affairs

The Chairperson of Coordination Group: Director General of Water Management

Central Working Group

Regional Working Groups for 25 River Basin
THANK YOU...