PARLIAMENTARY MEMORANDUM

SUBMITTED BY

THE MINISTRY OF SANITATION AND WATER RESOURCES

ON

ACCESSION TO THE UNITED NATIONS WATERCOURSES CONVENTION AND THE UNITED NATIONS ECONOMIC COMMISSION ON EUROPE (UNECE) CONVENTION ON THE PROTECTION AND USE OF TRANSBOUNDARY WATERCOURSES AND INTERNATIONAL LAKES

23rd AUGUST 2019
1.0 PARLIAMENTARY DECISION REQUESTED
Parliament is respectfully invited to consider and grant ratification to enable Ghana accede to the two international water conventions, the United Nations Watercourses Convention; and The United Nations Economic Commission for Europe (UNECE) Convention on the Protection and Use of Transboundary Watercourses and International Lakes as part of the international legal arrangements necessary for the protection and use of our transboundary waters.

2.0 BACKGROUND
During the past 50 years, empirical studies have shown that the total number of water-related events between nations, are weighted towards cooperation: about 510 conflict-related events, against 1,230 cooperative ones, implying that cooperation over water, and not conflict, is the most strategically rational, effective and economically viable choice. Key legal international conventions, which serve as important tools to foster and secure such transboundary water cooperation, are the 1992 UNECE Water Convention and 1997 UN Watercourses Convention (versions are annexed).

Both conventions cover international watercourses, that is, freshwater, whether on the surface or underground, that is shared by two or more States and serve as a mechanism to strengthen international cooperation. The Conventions embody a number of principles on: equitable and reasonable utilization; the obligation not to cause significant harm; the general obligation to cooperate; regular exchange of data and information; notification and response, relating to planned measures; protection and preservation of ecosystems; prevent, reduce and control pollution; introduction of alien or new species; and protection and preservation of the aquatic environment.

Generally, the two instruments are based on the same principles, complement each other and should be implemented in a coherent manner. The differences between the two Conventions on the same subject matter are of greater or lesser stringency or detail rather than a matter of conflicting prescriptions. The Conventions have proven their effectiveness as an international legal regime that provides benefits should Ghana join as a member in each case.

Ghana's transboundary river basins (Volta, Tano, Bia and Todzie-Aka), cover over 75% of the country's land surface, generate around 80% of freshwater flow (about 30% of this amount flows from outside of Ghana's international borders - Burkina Faso, Côte d'Ivoire and Togo), provide substantial domestic water supply, hydropower, and industrial needs, link the populations, and
create socioeconomic interdependencies between the riparian countries. Currently, the Volta basin is covered by the Volta Basin Convention.

Recent transboundary events in the White Volta and the Bia basins, which Ghana shares with Burkina Faso and Côte d’Ivoire respectively, have been of concern to these riparian countries. In the case of the Bia basin, Côte d’Ivoire raised concerns in early 2017 that flows from the river had been polluted by illegal mining activities in Ghana leading to the cessation of water production and supply to its population and civil strifes. In the case of the White Volta basin, Ghana continues to raise concerns to Burkina Faso on the destructive but preventive flooding of parts of the Upper East and Northern regions caused by the spillage from the Bagre dam in Burkina Faso.

The National Water Policy (2007) formally recognizes the importance of international cooperation in transboundary waters. Underlying the Policy as a whole are the “principle of solidarity”, expressing profound human companionship for common problems related to water”, and the “principle that international cooperation is essential for sustainable development of shared basins”. It also specifically states that “the government will initiate and conclude protocols and agreements between Ghana and the other five riparian countries of the Volta, including any associated aquifers; Ghana and Côte d’Ivoire in respect of the Bia and Tano rivers, and any shared aquifers; and Ghana and Togo, with respect to the Todzie-Aka basin, and the two countries and Benin for the shared aquifer.”

2.0 PURPOSE

To grant ratification to enable Ghana accede to the two conventions of the Convention on the Protection and Use of Transboundary Watercourses and International Lakes, serviced by the United Nations Economic Commission for Europe (1992 Water Convention); and The United Nations Convention on the Law of the Non-Navigational Uses of International Watercourses (1997 Watercourses Convention) is to facilitate transboundary developments to ensure pragmatic solutions anchored on negotiations and dialogue that will reinforce Ghana’s strategic position of cooperating fully with her riparian neighbours and other global watercourse countries.

4.0 JUSTIFICATION

Accession by Ghana to the Water Conventions signals to other countries, international organizations, financial institutions and other actors the willingness to cooperate on the basis of transboundary norms and standards. The country
The 1992 Water Convention provides benefits from existing experiences, such as its guidance documents, activities and projects on the ground. For example, a State like Ghana suffering from frequent floods or droughts would benefit from the Convention’s activities on adaptation to climate change or on transboundary flood management. Ghana with its interest in the joint management of transboundary water infrastructure (e.g. the case of the Sogakope-Lome Water Supply Project and the Bagre Dam spillage) would benefit from Convention’s activities on dam safety and the water-food-energy-ecosystems nexus. Indeed, the work programmes of the Conventions are demand-driven and therefore able to respond to the differing and evolving needs of the Parties.

The 1992 and 1997 Water Conventions not only oblige Parties to enter into bilateral and multilateral agreement for specific basins and establish joint bodies but provide support to the Parties in establishing such agreements and bodies or in strengthening existing ones. This is particularly valuable to Ghana in the case of our transboundary basins and aquifers (e.g. Tano and Bia River basins and aquifers shared with Togo and Benin) without agreements and joint bodies.

The implementation of obligations, especially the obligation aimed at prevention, control and reduction of significant transboundary impact, is crucial for Ghana with respect to its prominent transboundary basin, the Volta. Furthermore, the standards to be applied by all Parties – e.g. pollution prevention, control and reduction at source, prior licensing of waste-water discharges, application of biological treatment or equivalent process to municipal waste-water, or application of the ecosystem are crucial for Ghana as it improves water resources management at the national level.

Parties to the 1992 Water Convention may benefit from the use of the Convention’s trust fund. The trust fund provides for technical support to Parties, particularly to promote and implement the convention through studies and pilot projects, as well as for support to participation of experts in workshops and training organized within the framework of the Convention. While non-Parties can also benefit from the convention’s trust fund, priority is given to parties.

Finally, the UN Conventions establish conflict prevention and resolution procedures and offer policy and legal guidance for States to engage in transboundary integrated river basin management, with a view to identifying win-win solutions to common problems regardless of whether all States in a basin are parties to the convention or not. Fortunately, Ghana’s riparian
neighbours - Benin, Burkina Faso and Côte d’Ivoire – have ratified the 1997 Watercourses Convention and seeking to do same with the 1992 Water Convention. It would inure to the benefit of Ghana if it does the same.

Achieving the Sustainable Development Goals (SDGs) by 2030 especially looking at target 6.4 (substantially increase water-use efficiency across all sectors and ensure sustainable withdrawals,... and substantially reduce the number of people suffering from water scarcity) and target 6.5 (implement integrated water resources management at all levels, including through transboundary cooperation as appropriate) - now calls for international principles, standards and practices as a necessary framework for the enhancement of sound management of international watercourses.

5.0 PREPARATORY AND CONSULTATIVE ACTIONS

Preparation and consultative actions towards the accession of the Water Conventions have been carried out at the regional and national levels.

In 2007, ECOWAS initiated the process of promoting and coordinating awareness and ratification of the 1992 UN Watercourses Convention among the member states. Representatives from 10 ECOWAS member States including Ghana adopted the 2007 Dakar Call for Action, calling on their governments to ratify and implement the Convention. In June 2008, ECOWAS convened and Ghana hosted the Regional Capacity-Building Workshop on Treaty Law and Practice and the Domestic Implementation of Treaty Obligations. Participants underscored the need for the widespread adoption and implementation of the UN Watercourses Convention across the region and, urged their governments to ratify the Convention.

As late as November 2015, Ministers in charge of water at the 4th Session of the ECOWAS Ministerial Follow-up Committee of the Permanent Framework for Coordination and Monitoring of Integrated Water Resources Management in West Africa, in Dakar, Senegal resolved (Resolution 17) to take up advocacy with the ECOWAS Parliament to expedite the process of ratification and implementation of the United Nations 1997 Convention, by all ECOWAS Member States.

In 2010, the Water Resources Commission prepared a ratification toolkit on the 1997 Watercourses Convention and shared with key stakeholders to inform and seek consensus. The toolkit was revised in 2017 to include the 1992 Convention.

In January 2018, the National Level Learning Alliance Platform (NLLAP) for the water sector, which is a well patronized platform for learning and sharing in Ghana, with the support of World Wildlife Fund, Green Cross International, and
the 1992 Water Convention Secretariat hosted the major consultative action to inform as well as seek general consensus on the two Conventions.

The institutions that were represented at this consultative workshop included but not limited to:

- Ministry of Sanitation and Water Resources,
- Ministry of Foreign Affairs and Regional Integration,
- Ministry of Justice and Attorney General's Department,
- Ministry of Local Government and Rural Development,
- Ministry of Finance,
- Water Research Institute,
- Coalition of NGOs in the Water and Sanitation Sector (CONIWAS) and Global Water Partnership. Major Water User Institutions including the Volta River Authority, the Ghana Water Company and the Ghana Irrigation Development Authority.
- Water related regulatory institutions including Environmental Protection Agency, Forestry Commission and Minerals Commission,
- Local Non-Governmental Organizations,
- private water-related entities and the Media.

The consensus was that Ghana needs to ratify the international conventions.

6.0 FINANCIAL IMPLICATIONS

Accession-process will require cost for the process and knowledge transfer. The implementing Agency, the Water Resources Commission under the supervision of Ministry of Sanitation and Water Resources, will support the process based on budgetary allocations.

7.0 BENEFITS

Ghana has not signed on to or acceded to any international water convention that together with its riparian neighbours can be applied to address governance deficiencies at various levels, set basic uniform standards across neighbouring regions, supplement achievement of key policy goals and international agreements and bring all relevant stakeholders together.
The 1992 UNECE Water Convention and the 1997 UN Watercourses Convention are the options now available to Ghana as the necessary framework for the enhancement of sound management of our international watercourses.

There are no party/membership contributions for the 1992 UNECE Water Convention and the 1997 UN Watercourses Convention. The country will rather benefit from the activities and programs of the conventions especially the former.

The importance of transboundary rivers and aquifers to the socio-economic development and progress of Ghana is not in doubt. For instance, the Volta basin yields substantial net economic benefits from hydropower and also significant benefits in irrigated agriculture, fisheries and navigation. But these shared rivers cause negative impacts in the form of pollution, flooding, losses of capture fisheries, biodiversity forests, and river bank erosion. The country is obliged to work with its riparian countries on optimizing these benefits and reducing transboundary costs.

As the downstream country it is crucial that the country cooperates fully with its riparian neighbours and seek all the international assistance it can get from other global riparian watercourse countries.

8.0 CONCLUSION

Parliament is respectfully invited to consider and grant ratification to enable Ghana accede to the 1992 Convention on the Protection and Use of Transboundary Watercourses and International Lakes, serviced by the United Nations Economic Commission for Europe; and the 1997 United Nations Convention on the Law of the Non-Navigational Uses of International Watercourses, as vital tools for managing the fresh water resources of the country to ensure effective and efficient delivery of quality, reliable and affordable water in line with government "Water Agenda for All" on sustainable basis.

HON. CECILIA ABENA DAPAAG
MINISTER OF SANITATION AND WATER RESOURCES

AUGUST, 2019
ANNEXURE

The following documents are submitted for perusal:

1. The 1992 Convention on the Protection and Use of Transboundary Watercourses and International Lakes, serviced by the United Nations Economic Commission for Europe; and

CONFIDENTIAL

6th August, 2019

OCCESION TO THE UNITED NATIONS WATERCOURSES CONVENTION
AND THE UNITED NATIONS ECONOMIC COMMISSION FOR EUROPE
CONVENTION ON THE PROTECTION AND USE OF TRANSBOUNDARY
WATERCOURSES AND INTERNATIONAL LAKES

Cabinet at its Fifty-ninth meeting held on Thursday, 1st August, 2019 considered a report of the Joint Meeting of the Cabinet Committees on Governance and Legal Matters and Social Services on the above-mentioned Memorandum submitted by the Minister for Sanitation and Water Resources.


3. Cabinet approved the Memorandum for the consideration of Parliament.

4. I should be grateful if you could take requisite action on the decision by Cabinet.

MERCY DEBRAH-KARIKARI
SECRETARY TO THE CABINET

THE HON. MINISTER FOR SANITATION
AND WATER RESOURCES

cc: Chief of Staff
Secretary to the President
Secretary to the Vice President
Chairperson, Cabinet Committee on Governance and Legal Matters
Chairperson, Cabinet Committee on Social Services
Hon. Minister for Parliamentary Affairs
Hon. Attorney-General and
Minister for Justice
Convention on the Protection and Use of Transboundary Watercourses and International Lakes
as amended, along with decision VI/3 clarifying the accession procedure

Convention sur la protection et l'utilisation des cours d'eau transfrontières et des lacs internationaux
telle qu'amendée, ainsi que la décision VI/3 clarifiant la procédure d'adhésion

Конвенция по охране и использованию трансграничных водотоков и международных озер
с поправками и решением VI/3, разъясняющим процедуру присоединения
Convention on the Protection and Use of Transboundary Watercourses and International Lakes
as amended, along with decision VI/3 clarifying the accession procedure

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Convention on the Protection and Use of Transboundary Watercourses and International Lakes

as amended,
along with decision VI/3 clarifying the accession procedure

Note
on the Convention on the Protection and Use of Transboundary Watercourses and International Lakes,
as amended

The Convention on the Protection and Use of Transboundary Watercourses and International Lakes was adopted in Helsinki, Finland, on 17 March 1992, and entered into force on 6 October 1996. At the time, the Convention was only open to member States of the United Nations Economic Commission for Europe (ECE) and regional economic integration organizations constituted by such States.

On 28 November 2003, the Meeting of the Parties to the Convention adopted decision III/1, amending articles 25 and 26 of the Convention to allow all United Nations Member States to accede to the Convention. These amendments entered into force on 6 February 2013.

In addition, on 30 November 2012, the Meeting of the Parties adopted decision VI/3 on accession by non-United Nations Economic Commission for Europe countries. Through this decision, the Meeting of the Parties clarified that, for the purposes of article 25, paragraph 3, any future request for accession to the Convention by United Nations Member States not members of ECE would be considered to be approved by the Meeting of the Parties. This approval is subject only to the entry into force, for all the States and organizations that were Parties to the Convention on 28 November 2003, of the amendments to articles 25 and 26.
Decision VI/3

Accession by non-United Nations Economic Commission for Europe countries

The Meeting of the Parties,

Expressing the firm belief that cooperation among riparian States on transboundary watercourses and international lakes contributes to peace and security and to sustainable water management, and is to everyone’s benefit,

Reconfirming the conviction that the Convention on the Protection and Use of Transboundary Watercourses and International Lakes is an effective instrument to support cooperation also beyond the region of the United Nations Economic Commission for Europe (ECE),

Wishing to share the knowledge, practices and experience collected in the 20 years since the adoption of the Convention, and, at the same time, to benefit from the knowledge, practices and experience in other regions of the world,

Also wishing to collectively promote river basin cooperation throughout the world, including by offering a global Intergovernmental platform for exchange and debate on transboundary water issues and for supporting the implementation of international water law,

Recalling its decision III/1 of 28 November 2003 to amend the Convention’s articles 25 and 26, as well as the spirit of that decision,

Recognizing the increased interest in the Convention and its activities by many non-ECE countries and their wish to accede to the Convention,

Acknowledging the need for a procedure for accession by non-ECE countries not differing from the procedure for accession by ECE-countries,

Expressing the unanimous desire to enable the accession by non-ECE countries as soon as possible,

1. Expresses its satisfaction that the amendments to articles 25 and 26 adopted by decision III/1 will enter into force on 6 February 2013, in accordance with article 21, paragraph 4, of the Convention, for those States that have accepted them;

2. Urges all the States and organizations that were Parties to the Convention on 28 November 2003 that have not yet done so to ratify the amendments to articles 25 and 26 as soon as possible, and not later than by the end of 2013;

3. Calls for the strengthening of cooperation with non-ECE countries interested in acceding to the Convention, with a view to promoting the mutual exchange of experience as well as the application of the Convention beyond the ECE region;

4. Decides that, for the purposes of the amendment to article 25 of the Convention, adopted by decision III/1, any future request for accession to the Convention by any Member of the United Nations not a member of ECE is welcome and, therefore, shall be considered as approved by the Meeting of the Parties. This approval is subject to the entry into force, for all the States and organizations that were Parties to the Convention on 28 November 2003, of the amendments to articles 25 and 26. A State or organization referred to in article 23 of the Convention that becomes a Party to the Convention between the adoption of this decision and the entry into force of the amended article 25, paragraph 3, for all the States and organizations that were Parties to the Convention on 28 November 2003 shall be notified by the ECE secretariat of this decision and that the State or organization is deemed to have accepted it;

5. Also decides, accordingly, that reference to the present decision will have to be made by any Member State of the United Nations that is not referred to in article 23 of the Convention when submitting its instrument for accession;

6. Requests the secretariat to Inform the United Nations Treaty Section about this procedure so that appropriate arrangements can be made, and to disseminate Information on the procedure to Interested Members of the United Nations that are not members of ECE.
Convention on the Protection and Use of Transboundary Watercourses and International Lakes

as amended

PREAMBLE

The Parties to this Convention,

Mindful that the protection and use of transboundary watercourses and international lakes are important and urgent tasks, the effective accomplishment of which can only be ensured by enhanced cooperation,

Concerned over the existence and threats of adverse effects, in the short or long term, of changes in the conditions of transboundary watercourses and international lakes on the environment, economies and well-being of the member countries of the Economic Commission for Europe (ECE),

Emphasizing the need for strengthened national and international measures to prevent, control and reduce the release of hazardous substances into the aquatic environment and to abate eutrophication and acidification, as well as pollution of the marine environment, in particular coastal areas, from land-based sources,

Commending the efforts already undertaken by the ECE Governments to strengthen cooperation, on bilateral and multilateral levels, for the prevention, control and reduction of transboundary pollution, sustainable water management, conservation of water resources and environmental protection,

Recalling the pertinent provisions and principles of the Declaration of the Stockholm Conference on the Human Environment, the Final Act of the Conference on Security and Cooperation in Europe (CSCE), the Concluding Documents of the Madrid and Vienna Meetings of Representatives of the Participating States of the CSCE, and the Regional Strategy for Environmental Protection and Rational Use of Natural Resources in ECE Member Countries covering the Period up to the Year 2000 and Beyond,

Conscious of the role of the United Nations Economic Commission for Europe in promoting international cooperation for the prevention, control and reduction of transboundary water pollution and sustainable use of transboundary waters, and in this regard recalling the ECE Declaration of Policy on Prevention and Control of Water Pollution, Including Transboundary Pollution; the ECE Declaration of Policy on the Rational Use of Water; the ECE Principles Regarding Cooperation in the Field of Transboundary Waters; the ECE Charter on Groundwater Management; and the Code of Conduct on Accidental Pollution of Transboundary Inland Waters,

Referring to decisions I (42) and I (44) adopted by the Economic Commission for Europe at its forty-second and forty-fourth sessions, respectively, and the outcome of the CSCE Meeting on the Protection of the Environment (Sofia, Bulgaria, 16 October – 3 November 1989),

Emphasizing that cooperation between member countries in regard to the protection and use of transboundary waters shall be implemented primarily through the elaboration of agreements between countries bordering the same waters, especially where no such agreements have yet been reached,

Have agreed as follows:

Article 1

DEFINITIONS

For the purposes of this Convention,

1. "Transboundary waters" means any surface or ground waters which mark, cross or are located on boundaries between two or more States; wherever transboundary waters flow directly into the sea, these
transboundary waters end at a straight line across their respective mouths between points on the low-water line of their banks;

2. "Transboundary Impact" means any significant adverse effect on the environment resulting from a change in the conditions of transboundary waters caused by a human activity, the physical origin of which is situated wholly or in part within an area under the jurisdiction of a Party, within an area under the jurisdiction of another Party. Such effects on the environment include effects on human health and safety, flora, fauna, soil, air, water, climate, landscape and historical monuments or other physical structures or the interaction among these factors; they also include effects on the cultural heritage or socio-economic conditions resulting from alterations to those factors;

3. "Party" means, unless the text otherwise indicates, a Contracting Party to this Convention;

4. "Riparian Parties" means the Parties bordering the same transboundary waters;

5. "Joint body" means any bilateral or multilateral commission or other appropriate institutional arrangements for cooperation between the Riparian Parties;

6. "Hazardous substances" means substances which are toxic, carcinogenic, mutagenic, teratogenic or bio-accumulative, especially when they are persistent;

7. "Best available technology" (the definition is contained in annex I to this Convention).

PART I

PROVISIONS RELATING TO ALL PARTIES

Article 2

GENERAL PROVISIONS

1. The Parties shall take all appropriate measures to prevent, control and reduce any transboundary impact.

2. The Parties shall, in particular, take all appropriate measures:

   (a) To prevent, control and reduce pollution of waters causing or likely to cause transboundary impact;

   (b) To ensure that transboundary waters are used with the aim of ecologically sound and rational water management, conservation of water resources and environmental protection;

   (c) To ensure that transboundary waters are used in a reasonable and equitable way, taking into particular account their transboundary character, in the case of activities which cause or are likely to cause transboundary impact;

   (d) To ensure conservation and, where necessary, restoration of ecosystems.

3. Measures for the prevention, control and reduction of water pollution shall be taken, where possible, at source.

4. These measures shall not directly or indirectly result in a transfer of pollution to other parts of the environment.

5. In taking the measures referred to in paragraphs 1 and 2 of this article, the Parties shall be guided by the following principles:

   (a) The precautionary principle, by virtue of which action to avoid the potential transboundary impact of the release of hazardous substances shall not be postponed on the ground that scientific research has not fully proved a causal link between those substances, on the one hand, and the potential transboundary impact, on the other hand;
(b) The polluter-pays principle, by virtue of which costs of pollution prevention, control and reduction measures shall be borne by the polluter;

(c) Water resources shall be managed so that the needs of the present generation are met without compromising the ability of future generations to meet their own needs.

6. The Riparian Parties shall cooperate on the basis of equality and reciprocity, in particular through bilateral and multilateral agreements, in order to develop harmonized policies, programmes and strategies, covering the relevant catchment areas, or parts thereof, aimed at the prevention, control and reduction of transboundary impact and aimed at the protection of the environment of transboundary waters or the environment influenced by such waters, including the marine environment.

7. The application of this Convention shall not lead to the deterioration of environmental conditions nor lead to increased transboundary impact.

8. The provisions of this Convention shall not affect the right of Parties individually or jointly to adopt and implement more stringent measures than those set down in this Convention.

Article 3

PREVENTION, CONTROL AND REDUCTION

1. To prevent, control and reduce transboundary impact, the Parties shall develop, adopt, implement and, as far as possible, render compatible relevant legal, administrative, economic, financial and technical measures, in order to ensure, inter alia, that:

(a) The emission of pollutants is prevented, controlled and reduced at source through the application of, inter alia, low- and non-waste technology;

(b) Transboundary waters are protected against pollution from point sources through the prior licensing of waste-water discharges by the competent national authorities, and that the authorized discharges are monitored and controlled;

(c) Limits for waste-water discharges stated in permits are based on the best available technology for discharges of hazardous substances;

(d) Stricter requirements, even leading to prohibition in individual cases, are imposed when the quality of the receiving water or the ecosystem so requires;

(e) At least biological treatment or equivalent processes are applied to municipal waste water, where necessary in a step-by-step approach;

(f) Appropriate measures are taken, such as the application of the best available technology, in order to reduce nutrient inputs from industrial and municipal sources;

(g) Appropriate measures and best environmental practices are developed and implemented for the reduction of inputs of nutrients and hazardous substances from diffuse sources, especially where the main sources are from agriculture (guidelines for developing best environmental practices are given in annex II to this Convention);

(h) Environmental impact assessment and other means of assessment are applied;

(i) Sustainable water-resources management, including the application of the ecosystems approach, is promoted;

(j) Contingency planning is developed;

(k) Additional specific measures are taken to prevent the pollution of groundwaters;

(l) The risk of accidental pollution is minimized.

2. To this end, each Party shall set emission limits for discharges from point sources into surface waters based on the best available technology, which are specifically applicable to individual industrial sectors or industries from which hazardous substances derive. The appropriate measures mentioned in paragraph 1 of
this article to prevent, control and reduce the input of hazardous substances from point and diffuse sources into waters, may, inter alia, include total or partial prohibition of the production or use of such substances. Existing lists of such industrial sectors or industries and of such hazardous substances in international conventions or regulations, which are applicable in the area covered by this Convention, shall be taken into account.

3. In addition, each Party shall define, where appropriate, water-quality objectives and adopt water-quality criteria for the purpose of preventing, controlling and reducing transboundary impact. General guidance for developing such objectives and criteria is given in annex III to this Convention. When necessary, the Parties shall endeavour to update this annex.

Article 4

MONITORING

The Parties shall establish programmes for monitoring the conditions of transboundary waters.

Article 5*

RESEARCH AND DEVELOPMENT

The Parties shall cooperate in the conduct of research into and development of effective techniques for the prevention, control and reduction of transboundary impact. To this effect, the Parties shall, on a bilateral and/or multilateral basis, take into account research activities pursued in relevant international forums, endeavour to initiate or intensify specific research programmes, where necessary, aimed, inter alia, at:

(a) Methods for the assessment of the toxicity of hazardous substances and the noxiousness of pollutants;
(b) Improved knowledge on the occurrence, distribution and environmental effects of pollutants and the processes involved;
(c) The development and application of environmentally sound technologies, production and consumption patterns;
(d) The phasing out and/or substitution of substances likely to have transboundary impact;
(e) Environmentally sound methods of disposal of hazardous substances;
(f) Special methods for improving the conditions of transboundary waters;
(g) The development of environmentally sound water-construction works and water-regulation techniques;
(h) The physical and financial assessment of damage resulting from transboundary impact.

The results of these research programmes shall be exchanged among the Parties in accordance with article 6 of this Convention.

Article 6

EXCHANGE OF INFORMATION

The Parties shall provide for the widest exchange of information, as early as possible, on issues covered by the provisions of this Convention.
Article 7

RESPONSIBILITY AND LIABILITY

The Parties shall support appropriate international efforts to elaborate rules, criteria and procedures in the field of responsibility and liability.

Article 8

PROTECTION OF INFORMATION

The provisions of this Convention shall not affect the rights or the obligations of Parties in accordance with their national legal systems and applicable supranational regulations to protect information related to industrial and commercial secrecy, including intellectual property, or national security.

PART II

PROVISIONS RELATING TO RIPARIAN PARTIES

Article 9

BILATERAL AND MULTILATERAL COOPERATION

1. The Riparian Parties shall on the basis of equality and reciprocity enter into bilateral or multilateral agreements or other arrangements, where these do not yet exist, or adapt existing ones, where necessary to eliminate the contradictions with the basic principles of this Convention, in order to define their mutual relations and conduct regarding the prevention, control and reduction of transboundary impact. The Riparian Parties shall specify the catchment area, or part(s) thereof, subject to cooperation. These agreements or arrangements shall embrace relevant issues covered by this Convention, as well as any other issues on which the Riparian Parties may deem it necessary to cooperate.

2. The agreements or arrangements mentioned in paragraph 1 of this article shall provide for the establishment of joint bodies. The tasks of these joint bodies shall be, inter alia, and without prejudice to relevant existing agreements or arrangements, the following:

(a) To collect, compile and evaluate data in order to identify pollution sources likely to cause transboundary impact;
(b) To elaborate joint monitoring programmes concerning water quality and quantity;
(c) To draw up inventories and exchange information on the pollution sources mentioned in paragraph 2 (a) of this article;
(d) To elaborate emission limits for waste water and evaluate the effectiveness of control programmes;
(e) To elaborate joint water-quality objectives and criteria having regard to the provisions of article 3, paragraph 3 of this Convention, and to propose relevant measures for maintaining and, where necessary, improving the existing water quality;
(f) To develop concerted action programmes for the reduction of pollution loads from both point sources (e.g. municipal and industrial sources) and diffuse sources (particularly from agriculture);
(g) To establish warning and alarm procedures;
(h) To serve as a forum for the exchange of information on existing and planned uses of water and related installations that are likely to cause transboundary impact;
(i) To promote cooperation and exchange of information on the best available technology in accordance with the provisions of article 13 of this Convention, as well as to encourage cooperation in scientific research programmes;
(j) To participate in the implementation of environmental impact assessments relating to transboundary waters, in accordance with appropriate international regulations.

3. In cases where a coastal State, being Party to this Convention, is directly and significantly affected by transboundary impact, the Riparian Parties can, if they all so agree, invite that coastal State to be involved in an appropriate manner in the activities of multilateral joint bodies established by Parties riparian to such transboundary waters.

4. Joint bodies according to this Convention shall invite joint bodies, established by coastal States for the protection of the marine environment directly affected by transboundary impact, to cooperate in order to harmonize their work and to prevent, control and reduce the transboundary impact.

5. Where two or more joint bodies exist in the same catchment area, they shall endeavour to coordinate their activities in order to strengthen the prevention, control and reduction of transboundary impact within that catchment area.

Article 10
CONSULTATIONS
Consultations shall be held between the Riparian Parties on the basis of reciprocity, good faith and good-neighbourliness, at the request of any such Party. Such consultations shall aim at cooperation regarding the issues covered by the provisions of this Convention. Any such consultations shall be conducted through a joint body established under article 9 of this Convention, where one exists.

Article 11
JOINT MONITORING AND ASSESSMENT
1. In the framework of general cooperation mentioned in article 9 of this Convention, or specific arrangements, the Riparian Parties shall establish and implement joint programmes for monitoring the conditions of transboundary waters, including floods and ice drifts, as well as transboundary impact.

2. The Riparian Parties shall agree upon pollution parameters and pollutants whose discharges and concentration in transboundary waters shall be regularly monitored.

3. The Riparian Parties shall, at regular intervals, carry out joint or coordinated assessments of the conditions of transboundary waters and the effectiveness of measures taken for the prevention, control and reduction of transboundary impact. The results of these assessments shall be made available to the public in accordance with the provisions set out in article 16 of this Convention.

4. For these purposes, the Riparian Parties shall harmonize rules for the setting up and operation of monitoring programmes, measurement systems, devices, analytical techniques, data processing and evaluation procedures, and methods for the registration of pollutants discharged.

Article 12
COMMON RESEARCH AND DEVELOPMENT
In the framework of general cooperation mentioned in article 9 of this Convention, or specific arrangements, the Riparian Parties shall undertake specific research and development activities in support of achieving and maintaining the water-quality objectives and criteria which they have agreed to set and adopt.

Article 13
EXCHANGE OF INFORMATION BETWEEN RIPARIAN PARTIES
1. The Riparian Parties shall, within the framework of relevant agreements or other arrangements according to article 9 of this Convention, exchange reasonably available data, inter alia, on:
(a) Environmental conditions of transboundary waters;
(b) Experience gained in the application and operation of best available technology and results of research and development;
(c) Emission and monitoring data;
(d) Measures taken and planned to be taken to prevent, control and reduce transboundary impact;
(e) Permits or regulations for waste-water discharges issued by the competent authority or appropriate body.

2. In order to harmonize emission limits, the Riparian Parties shall undertake the exchange of information on their national regulations.

3. If a Riparian Party is requested by another Riparian Party to provide data or information that is not available, the former shall endeavour to comply with the request but may condition its compliance upon the payment, by the requesting Party, of reasonable charges for collecting and, where appropriate, processing such data or information.

4. For the purposes of the implementation of this Convention, the Riparian Parties shall facilitate the exchange of best available technology, particularly through the promotion of: the commercial exchange of available technology; direct industrial contacts and cooperation, including joint ventures; the exchange of information and experience; and the provision of technical assistance. The Riparian Parties shall also undertake joint training programmes and the organization of relevant seminars and meetings.

Article 14

WARNING AND ALARM SYSTEMS

The Riparian Parties shall without delay inform each other about any critical situation that may have transboundary impact. The Riparian Parties shall set up, where appropriate, and operate coordinated or joint communication, warning and alarm systems with the aim of obtaining and transmitting information. These systems shall operate on the basis of compatible data transmission and treatment procedures and facilities to be agreed upon by the Riparian Parties. The Riparian Parties shall inform each other about competent authorities or points of contact designated for this purpose.

Article 15

MUTUAL ASSISTANCE

1. If a critical situation should arise, the Riparian Parties shall provide mutual assistance upon request, following procedures to be established in accordance with paragraph 2 of this article.

2. The Riparian Parties shall elaborate and agree upon procedures for mutual assistance addressing, inter alia, the following issues:

(a) The direction, control, coordination and supervision of assistance;
(b) Local facilities and services to be rendered by the Party requesting assistance, including, where necessary, the facilitation of border-crossing formalities;
(c) Arrangements for holding harmless, indemnifying and/or compensating the assisting Party and/or its personnel, as well as for transit through territories of third Parties, where necessary;
(d) Methods of reimbursing assistance services.
Article 16

PUBLIC INFORMATION

1. The Riparian Parties shall ensure that information on the conditions of transboundary waters, measures taken or planned to be taken to prevent, control and reduce transboundary impact, and the effectiveness of those measures, is made available to the public. For this purpose, the Riparian Parties shall ensure that the following information is made available to the public:

   (a) Water-quality objectives;
   (b) Permits issued and the conditions required to be met;
   (c) Results of water and effluent sampling carried out for the purposes of monitoring and assessment, as well as results of checking compliance with the water-quality objectives or the permit conditions.

2. The Riparian Parties shall ensure that this information shall be available to the public at all reasonable times for inspection free of charge, and shall provide members of the public with reasonable facilities for obtaining from the Riparian Parties, on payment of reasonable charges, copies of such information.

PART III

INSTITUTIONAL AND FINAL PROVISIONS

Article 17

MEETING OF PARTIES

1. The first meeting of the Parties shall be convened no later than one year after the date of the entry into force of this Convention. Thereafter, ordinary meetings shall be held every three years, or at shorter intervals as laid down in the rules of procedure. The Parties shall hold an extraordinary meeting if they so decide in the course of an ordinary meeting or at the written request of any Party, provided that, within six months of it being communicated to all Parties, the said request is supported by at least one third of the Parties.

2. At their meetings, the Parties shall keep under continuous review the implementation of this Convention, and, with this purpose in mind, shall:

   (a) Review the policies for and methodological approaches to the protection and use of transboundary waters of the Parties with a view to further improving the protection and use of transboundary waters;
   (b) Exchange information regarding experience gained in concluding and implementing bilateral and multilateral agreements or other arrangements regarding the protection and use of transboundary waters to which one or more of the Parties are party;
   (c) Seek, where appropriate, the services of relevant ECE bodies as well as other competent international bodies and specific committees in all aspects pertinent to the achievement of the purposes of this Convention;
   (d) At their first meeting, consider and by consensus adopt rules of procedure for their meetings;
   (e) Consider and adopt proposals for amendments to this Convention;
   (f) Consider and undertake any additional action that may be required for the achievement of the purposes of this Convention.

Article 18

RIGHT TO VOTE

1. Except as provided for in paragraph 2 of this article, each Party to this Convention shall have one vote.
2. Regional economic integration organizations, in matters within their competence, shall exercise their right to vote with a number of votes equal to the number of their member States which are Parties to this Convention. Such organizations shall not exercise their right to vote if their member States exercise theirs, and vice versa.

Article 19
SECRETARIAT

The Executive Secretary of the Economic Commission for Europe shall carry out the following secretariat functions:

(a) The convening and preparing of meetings of the Parties;
(b) The transmission to the Parties of reports and other information received in accordance with the provisions of this Convention;
(c) The performance of such other functions as may be determined by the Parties.

Article 20
ANNEXES

Annexes to this Convention shall constitute an integral part thereof.

Article 21
AMENDMENTS TO THE CONVENTION

1. Any Party may propose amendments to this Convention.

2. Proposals for amendments to this Convention shall be considered at a meeting of the Parties.

3. The text of any proposed amendment to this Convention shall be submitted in writing to the Executive Secretary of the Economic Commission for Europe, who shall communicate it to all Parties at least ninety days before the meeting at which it is proposed for adoption.

4. An amendment to the present Convention shall be adopted by consensus of the representatives of the Parties to this Convention present at a meeting of the Parties, and shall enter into force for the Parties to the Convention which have accepted it on the ninetieth day after the date on which two thirds of those Parties have deposited with the Depositary their Instruments of acceptance of the amendment. The amendment shall enter into force for any other Party on the ninetieth day after the date on which that Party deposits its Instrument of acceptance of the amendment.

Article 22
SETTLEMENT OF DISPUTES

1. If a dispute arises between two or more Parties about the interpretation or application of this Convention, they shall seek a solution by negotiation or by any other means of dispute settlement acceptable to the parties to the dispute.

2. When signing, ratifying, accepting, approving or acceding to this Convention, or at any time thereafter, a Party may declare in writing to the Depositary that, for a dispute not resolved in accordance with paragraph 1 of this article, it accepts one or both of the following means of dispute settlement as compulsory in relation to any Party accepting the same obligation:

(a) Submission of the dispute to the International Court of Justice;
(b) Arbitration in accordance with the procedure set out in annex IV.

3. If the parties to the dispute have accepted both means of dispute settlement referred to in paragraph 2 of this article, the dispute may be submitted only to the International Court of Justice, unless the parties agree otherwise.

Article 23

SIGNATURE

This Convention shall be open for signature at Helsinki from 17 to 18 March 1992 inclusive, and thereafter at United Nations Headquarters in New York until 18 September 1992, by States members of the Economic Commission for Europe as well as States having consultative status with the Economic Commission for Europe pursuant to paragraph 8 of Economic and Social Council resolution 36 (IV) of 28 March 1947, and by regional economic integration organizations constituted by sovereign States members of the Economic Commission for Europe to which their member States have transferred competence over matters governed by this Convention, including the competence to enter into treaties in respect of these matters.

Article 24

DEPOSITARY

The Secretary-General of the United Nations shall act as the Depositary of this Convention.

Article 25

RATIFICATION, ACCEPTANCE, APPROVAL AND ACCESSION

1. This Convention shall be subject to ratification, acceptance or approval by signatory States and regional economic integration organizations.

2. This Convention shall be open for accession by the States and organizations referred to in article 23.

3. Any other State not referred to in paragraph 2, that is a Member of the United Nations may accede to the Convention upon approval by the Meeting of the Parties. In its instrument of accession, such a State shall make a declaration stating that approval for its accession to the Convention had been obtained from the Meeting of the Parties and shall specify the date on which approval was received. Any such request for accession by Members of the United Nations shall not be considered for approval by the Meeting of the Parties until this paragraph has entered into force for all the States and organizations that were Parties to the Convention on 28 November 2003.

4. Any organization referred to in article 23 which becomes a Party to this Convention without any of its member States being a Party shall be bound by all the obligations under this Convention. In the case of such organizations, one or more of whose member States is a Party to this Convention, the organization and its member States shall decide on their respective responsibilities for the performance of their obligations under this Convention. In such cases, the organization and the member States shall not be entitled to exercise rights under this Convention concurrently.

5. In their instruments of ratification, acceptance, approval or accession, the regional economic integration organizations referred to in article 23 shall declare the extent of their competence with respect to the matters governed by this Convention. These organizations shall also inform the Depositary of any substantial modification to the extent of their competence.

Article 26

ENTRY INTO FORCE

1. This Convention shall enter into force on the ninetieth day after the date of deposit of the sixteenth Instrument of ratification, acceptance, approval or accession.
2. For the purposes of paragraph 1 of this article, any instrument deposited by a regional economic integration organization shall not be counted as additional to those deposited by States members of such an organization.

3. For each State or organization referred to in article 23 or in paragraph 3 of article 25 which ratifies, accepts or approves this Convention or accedes thereto after the deposit of the sixteenth instrument of ratification, acceptance, approval or accession, the Convention shall enter into force on the ninetieth day after the date of deposit by such State or organization of its instrument of ratification, acceptance, approval or accession.

Article 27

WITHDRAWAL

At any time after three years from the date on which this Convention has come into force with respect to a Party, that Party may withdraw from the Convention by giving written notification to the Depositary. Any such withdrawal shall take effect on the ninetieth day after the date of its receipt by the Depositary.

Article 28

AUTHENTIC TEXTS

The original of this Convention, of which the English, French and Russian texts are equally authentic, shall be deposited with the Secretary-General of the United Nations.

IN WITNESS WHEREOF the undersigned, being duly authorized thereto, have signed this Convention.

DONE at Helsinki, this seventeenth day of March one thousand nine hundred and ninety-two.

ANNEXES

ANNEX I

DEFINITION OF THE TERM "BEST AVAILABLE TECHNOLOGY"

1. The term "best available technology" is taken to mean the latest stage of development of processes, facilities or methods of operation which indicate the practical suitability of a particular measure for limiting discharges, emissions and waste. In determining whether a set of processes, facilities and methods of operation constitute the best available technology in general or individual cases, special consideration is given to:

   (a) Comparable processes, facilities or methods of operation which have recently been successfully tried out;

   (b) Technological advances and changes in scientific knowledge and understanding;

   (c) The economic feasibility of such technology;

   (d) Time limits for installation in both new and existing plants;

   (e) The nature and volume of the discharges and effluents concerned;

   (f) Low- and non-waste technology.

2. It therefore follows that what is "best available technology" for a particular process will change with time in the light of technological advances, economic and social factors, as well as in the light of changes in scientific knowledge and understanding.
ANNEX II

GUIDELINES FOR DEVELOPING BEST ENVIRONMENTAL PRACTICES

1. In selecting for individual cases the most appropriate combination of measures which may constitute the best environmental practice, the following graduated range of measures should be considered:

(a) Provision of information and education to the public and to users about the environmental consequences of the choice of particular activities and products, their use and ultimate disposal;

(b) The development and application of codes of good environmental practice which cover all aspects of the product's life;

(c) Labels informing users of environmental risks related to a product, its use and ultimate disposal;

(d) Collection and disposal systems available to the public;

(e) Recycling, recovery and reuse;

(f) Application of economic instruments to activities, products or groups of products;

(g) A system of licensing, which involves a range of restrictions or a ban.

2. In determining what combination of measures constitute best environmental practices, in general or in individual cases, particular consideration should be given to:

(a) The environmental hazard of:
   (i) The product;
   (ii) The product's production;
   (iii) The product's use;
   (iv) The product's ultimate disposal;

(b) Substitution by less polluting processes or substances;

(c) Scale of use;

(d) Potential environmental benefit or penalty of substitute materials or activities;

(e) Advances and changes in scientific knowledge and understanding;

(f) Time limits for implementation;

(g) Social and economic implications.

3. It therefore follows that best environmental practices for a particular source will change with time in the light of technological advances, economic and social factors, as well as in the light of changes in scientific knowledge and understanding.

ANNEX III

GUIDELINES FOR DEVELOPING WATER-QUALITY OBJECTIVES AND CRITERIA

Water-quality objectives and criteria shall:

(a) Take into account the aim of maintaining and, where necessary, improving the existing water quality;

(b) Aim at the reduction of average pollution loads (in particular hazardous substances) to a certain degree within a certain period of time;

(c) Take into account specific water-quality requirements (raw water for drinking-water purposes, irrigation, etc.);

(d) Take into account specific requirements regarding sensitive and specially protected waters and their environment, e.g. lakes and groundwater resources;
(e) Be based on the application of ecological classification methods and chemical indices for the medium- and long-term review of water-quality maintenance and improvement;

(f) Take into account the degree to which objectives are reached and the additional protective measures, based on emission limits, which may be required in individual cases.

ANNEX IV

ARBITRATION

1. In the event of a dispute being submitted for arbitration pursuant to article 22, paragraph 2 of this Convention, a party or parties shall notify the secretariat of the subject-matter of arbitration and indicate, in particular, the articles of this Convention whose interpretation or application is at issue. The secretariat shall forward the information received to all Parties to this Convention.

2. The arbitral tribunal shall consist of three members. Both the claimant party or parties and the other party or parties to the dispute shall appoint an arbitrator, and the two arbitrators so appointed shall designate by common agreement the third arbitrator, who shall be the president of the arbitral tribunal. The latter shall not be a national of one of the parties to the dispute, nor have his or her usual place of residence in the territory of one of these parties, nor be employed by any of them, nor have dealt with the case in any other capacity.

3. If the president of the arbitral tribunal has not been designated within two months of the appointment of the second arbitrator, the Executive Secretary of the Economic Commission for Europe shall, at the request of either party to the dispute, designate the president within a further two-month period.

4. If one of the parties to the dispute does not appoint an arbitrator within two months of the receipt of the request, the other party may so inform the Executive Secretary of the Economic Commission for Europe, who shall designate the president of the arbitral tribunal within a further two-month period. Upon designation, the president of the arbitral tribunal shall request the party which has not appointed an arbitrator to do so within two months. If it fails to do so within that period, the president shall so inform the Executive Secretary of the Economic Commission for Europe, who shall make this appointment within a further two-month period.

5. The arbitral tribunal shall render its decision in accordance with international law and the provisions of this Convention.

6. Any arbitral tribunal constituted under the provisions set out in this annex shall draw up its own rules of procedure.

7. The decisions of the arbitral tribunal, both on procedure and on substance, shall be taken by majority vote of its members.

8. The tribunal may take all appropriate measures to establish the facts.

9. The parties to the dispute shall facilitate the work of the arbitral tribunal and, in particular, using all means at their disposal, shall:

   (a) Provide it with all relevant documents, facilities and information;

   (b) Enable it, where necessary, to call witnesses or experts and receive their evidence.

10. The parties and the arbitrators shall protect the confidentiality of any information they receive in confidence during the proceedings of the arbitral tribunal.

11. The arbitral tribunal may, at the request of one of the parties, recommend interim measures of protection.

12. If one of the parties to the dispute does not appear before the arbitral tribunal or fails to defend its case, the other party may request the tribunal to continue the proceedings and to render its final decision. Absence of a party or failure of a party to defend its case shall not constitute a bar to the proceedings.
13. The arbitral tribunal may hear and determine counter-claims arising directly out of the subject-matter of the dispute.

14. Unless the arbitral tribunal determines otherwise because of the particular circumstances of the case, the expenses of the tribunal, including the remuneration of its members, shall be borne by the parties to the dispute in equal shares. The tribunal shall keep a record of all its expenses, and shall furnish a final statement thereof to the parties.

15. Any Party to this Convention which has an interest of a legal nature in the subject-matter of the dispute, and which may be affected by a decision in the case, may intervene in the proceedings with the consent of the tribunal.

16. The arbitral tribunal shall render its award within five months of the date on which it is established, unless it finds it necessary to extend the time limit for a period which should not exceed five months.

17. The award of the arbitral tribunal shall be accompanied by a statement of reasons. It shall be final and binding upon all parties to the dispute. The award will be transmitted by the arbitral tribunal to the parties to the dispute and to the secretariat. The secretariat will forward the information received to all Parties to this Convention.

18. Any dispute which may arise between the parties concerning the interpretation or execution of the award may be submitted by either party to the arbitral tribunal which made the award or, if the latter cannot be seized thereof, to another tribunal constituted for this purpose in the same manner as the first.
Convention on the Law of the Non-navigational Uses of International Watercourses
1997


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2005
Convention on the Law of the Non-navigational Uses of International Watercourses
Adopted by the General Assembly of the United Nations on 21 May 1997

The Parties to the present Convention,

Conscious of the importance of international watercourses and the non-navigational uses thereof in many regions of the world,

Having in mind Article 13, paragraph 1 (a), of the Charter of the United Nations, which provides that the General Assembly shall initiate studies and make recommendations for the purpose of encouraging the progressive development of international law and its codification,

Considering that successful codification and progressive development of rules of international law regarding non-navigational uses of international watercourses would assist in promoting and implementing the purposes and principles set forth in Articles 1 and 2 of the Charter of the United Nations,

Taking into account the problems affecting many international watercourses resulting from, among other things, increasing demands and pollution,

Expressing the conviction that a framework convention will ensure the utilization, development, conservation, management and protection of international watercourses and the promotion of the optimal and sustainable utilization thereof for present and future generations,

Affirming the importance of international cooperation and good-neighbourliness in this field,

Aware of the special situation and needs of developing countries,

Recalling the principles and recommendations adopted by the United Nations Conference on Environment and Development of 1992 in the Rio Declaration and Agenda 21,

Recalling also the existing bilateral and multilateral agreements regarding the non-navigational uses of international watercourses,

Mindful of the valuable contribution of international organizations, both governmental and non-governmental, to the codification and progressive development of international law in this field,

Appreciative of the work carried out by the International Law Commission on the law of the non-navigational uses of international watercourses,

Bearing in mind United Nations General Assembly resolution 49/52 of 9 December 1994,

Have agreed as follows:
PART I.
INTRODUCTION

Article 1
Scope of the present Convention

1. The present Convention applies to uses of international watercourses and of their waters for purposes other than navigation and to measures of protection, preservation and management related to the uses of those watercourses and their waters.

2. The uses of international watercourses for navigation is not within the scope of the present Convention except insofar as other uses affect navigation or are affected by navigation.

Article 2
Use of terms

For the purposes of the present Convention:

(a) "Watercourse" means a system of surface waters and groundwaters constituting by virtue of their physical relationship a unitary whole and normally flowing into a common terminus;

(b) "International watercourse" means a watercourse, parts of which are situated in different States;

(c) "Watercourse State" means a State Party to the present Convention in whose territory part of an international watercourse is situated, or a Party that is a regional economic integration organization, in the territory of one or more of whose Member States part of an international watercourse is situated;

(d) "Regional economic integration organization" means an organization constituted by sovereign States of a given region, to which its member States have transferred competence in respect of matters governed by this Convention and which has been duly authorized in accordance with its internal procedures, to sign, ratify, accept, approve or accede to it.

Article 3
Watercourse agreements

1. In the absence of an agreement to the contrary, nothing in the present Convention shall affect the rights or obligations of a watercourse State arising from agreements in force for it on the date on which it became a party to the present Convention.

2. Notwithstanding the provisions of paragraph 1, parties to agreements referred to in paragraph 1 may, where necessary, consider harmonizing such agreements with the basic principles of the present Convention.

3. Watercourse States may enter into one or more agreements, hereinafter referred to as "watercourse agreements", which apply and adjust the provisions of the present Convention to the characteristics and uses of a particular international watercourse or part thereof.
4. Where a watercourse agreement is concluded between two or more watercourse States, it shall define the waters to which it applies. Such an agreement may be entered into with respect to an entire international watercourse or any part thereof or a particular project, programme or use except insofar as the agreement adversely affects, to a significant extent, the use by one or more other watercourse States of the waters of the watercourse, without their express consent.

5. Where a watercourse State considers that adjustment and application of the provisions of the present Convention is required because of the characteristics and uses of a particular international watercourse, watercourse States shall consult with a view to negotiating in good faith for the purpose of concluding a watercourse agreement or agreements.

6. Where some but not all watercourse States to a particular international watercourse are parties to an agreement, nothing in such agreement shall affect the rights or obligations under the present Convention of watercourse States that are not parties to such an agreement.

Article 4
Parties to watercourse agreements

1. Every watercourse State is entitled to participate in the negotiation of and to become a party to any watercourse agreement that applies to the entire international watercourse, as well as to participate in any relevant consultations.

2. A watercourse State whose use of an international watercourse may be affected to a significant extent by the implementation of a proposed watercourse agreement that applies only to a part of the watercourse or to a particular project, programme or use is entitled to participate in consultations on such an agreement and, where appropriate, in the negotiation thereof in good faith with a view to becoming a party thereto, to the extent that its use is thereby affected.

PART II.
GENERAL PRINCIPLES

Article 5
Equitable and reasonable utilization and participation

1. Watercourse States shall in their respective territories utilize an international watercourse in an equitable and reasonable manner. In particular, an international watercourse shall be used and developed by watercourse States with a view to attaining optimal and sustainable utilization thereof and benefits therefrom, taking into account the interests of the watercourse States concerned, consistent with adequate protection of the watercourse.

2. Watercourse States shall participate in the use, development and protection of an international watercourse in an equitable and reasonable manner. Such participation includes both the right to utilize the watercourse and the duty to cooperate in the protection and development thereof, as provided in the present Convention.
Article 6
Factors relevant to equitable and reasonable utilization

1. Utilization of an international watercourse in an equitable and reasonable manner within the meaning of article 5 requires taking into account all relevant factors and circumstances, including:

(a) Geographic, hydrographic, hydrological, climatic, ecological and other factors of a natural character;

(b) The social and economic needs of the watercourse States concerned;

(c) The population dependent on the watercourse in each watercourse State;

(d) The effects of the use or uses of the watercourses in one watercourse State on other watercourse States;

(e) Existing and potential uses of the watercourse;

(f) Conservation, protection, development and economy of use of the water resources of the watercourse and the costs of measures taken to that effect;

(g) The availability of alternatives, of comparable value, to a particular planned or existing use.

2. In the application of article 5 or paragraph 1 of this article, watercourse States concerned shall, when the need arises, enter into consultations in a spirit of cooperation.

3. The weight to be given to each factor is to be determined by its importance in comparison with that of other relevant factors. In determining what is a reasonable and equitable use, all relevant factors are to be considered together and a conclusion reached on the basis of the whole.

Article 7
Obligation not to cause significant harm

1. Watercourse States shall, in utilizing an international watercourse in their territories, take all appropriate measures to prevent the causing of significant harm to other watercourse States.

2. Where significant harm nevertheless is caused to another watercourse State, the States whose use causes such harm shall, in the absence of agreement to such use, take all appropriate measures, having due regard for the provisions of articles 5 and 6, in consultation with the affected State, to eliminate or mitigate such harm and, where appropriate, to discuss the question of compensation.

Article 8
General obligation to cooperate
1. Watercourse States shall cooperate on the basis of sovereign equality, territorial integrity, mutual benefit and good faith in order to attain optimal utilization and adequate protection of an international watercourse.

2. In determining the manner of such cooperation, watercourse States may consider the establishment of joint mechanisms or commissions, as deemed necessary by them, to facilitate cooperation on relevant measures and procedures in the light of experience gained through cooperation in existing joint mechanisms and commissions in various regions:

Article 9
Regular exchange of data and information

1. Pursuant to article 8, watercourse States shall on a regular basis exchange readily available data and information on the condition of the watercourse, in particular that of a hydrological, meteorological, hydrogeological and ecological nature and related to the water quality as well as related forecasts.

2. If a watercourse State is requested by another watercourse State to provide data or information that is not readily available, it shall employ its best efforts to comply with the request but may condition its compliance upon payment by the requesting State of the reasonable costs of collecting and, where appropriate, processing such data or information.

3. Watercourse States shall employ their best efforts to collect and, where appropriate, to process data and information in a manner which facilitates its utilization by the other watercourse States to which it is communicated.

Article 10
Relationship between different kinds of uses

1. In the absence of agreement or custom to the contrary, no use of an international watercourse enjoys inherent priority over other uses.

2. In the event of a conflict between uses of an international watercourse, it shall be resolved with reference to articles 5 to 7, with special regard being given to the requirements of vital human needs.

PART III
PLANNED MEASURES

Article 11
Information concerning planned measures

Watercourse States shall exchange information and consult each other and, if necessary, negotiate on the possible effects of planned measures on the condition of an international watercourse.
Article 12
Notification concerning planned measures with possible adverse effects

Before a watercourse State implements or permits the implementation of planned measures which may have a significant adverse effect upon other watercourse States, it shall provide those States with timely notification thereof. Such notification shall be accompanied by available technical data and information, including the results of any environmental impact assessment, in order to enable the notified States to evaluate the possible effects of the planned measures.

Article 13
Period for reply to notification

Unless otherwise agreed:

(a) A watercourse State providing a notification under article 12 shall allow the notified States a period of six months within which to study and evaluate the possible effects of the planned measures and to communicate the findings to it;

(b) This period shall, at the request of a notified State for which the evaluation of the planned measures poses special difficulty, be extended for a period of six months.

Article 14
Obligations of the notifying State during the period for reply

During the period referred to in article 13, the notifying State:

(a) Shall cooperate with the notified States by providing them, on request, with any additional data and information that is available and necessary for an accurate evaluation; and

(b) Shall not implement or permit the implementation of the planned measures without the consent of the notified States.

Article 15
Reply to notification

The notified States shall communicate their findings to the notifying State as early as possible within the period applicable pursuant to article 13. If a notified State finds that implementation of the planned measures would be inconsistent with the provisions of articles 5 or 7, it shall attach to its finding a documented explanation setting forth the reasons for the finding.

Article 16
Absence of reply to notification

1. If, within the period applicable pursuant to article 13, the notifying State receives no communication under article 15, it may, subject to its obligations under articles 5 and 7, proceed with
the implementation of the planned measures, in accordance with the notification and any other data and information provided to the notified States.

2. Any claim to compensation by a notified State which has failed to reply within the period applicable pursuant to article 13 may be offset by the costs incurred by the notifying State for action undertaken after the expiration of the time for a reply which would not have been undertaken if the notified State had objected within that period.

Article 17
Consultations and negotiations concerning planned measures

1. If a communication is made under article 15 that implementation of the planned measures would be inconsistent with the provisions of article 5 or 7, the notifying State and the State making the communication shall enter into consultations and, if necessary, negotiations with a view to arriving at an equitable resolution of the situation.

2. The consultations and negotiations shall be conducted on the basis that each State must in good faith pay reasonable regard to the rights and legitimate interests of the other State.

3. During the course of the consultations and negotiations, the notifying State shall, if so requested by the notified State at the time it makes the communication, refrain from implementing or permitting the implementation of the planned measures for a period of six months unless otherwise agreed.

Article 18
Procedures in the absence of notification

1. If a watercourse State has reasonable grounds to believe that another watercourse State is planning measures that may have a significant adverse effect upon it, the former State may request the latter to apply the provisions of article 12. The request shall be accompanied by a documented explanation setting forth its grounds.

2. In the event that the State planning the measures nevertheless finds that it is not under an obligation to provide a notification under article 12, it shall so inform the other State, providing a documented explanation setting forth the reasons for such finding. If this finding does not satisfy the other State, the two States shall, at the request of that other State, promptly enter into consultations and negotiations in the manner indicated in paragraphs 1 and 2 of article 17.

3. During the course of the consultations and negotiations, the State planning the measures shall, if so requested by the other State at the time it requests the initiation of consultations and negotiations, refrain from implementing or permitting the implementation of those measures for a period of six months unless otherwise agreed.
Article 19
Urgent implementation of planned measures

1. In the event that the implementation of planned measures is of the utmost urgency in order to protect public health, public safety or other equally important interests, the State planning the measures may, subject to articles 5 and 7, immediately proceed to implementation, notwithstanding the provisions of article 14 and paragraph 3 of article 17.

2. In such case, a formal declaration of the urgency of the measures shall be communicated without delay to the other watercourse States referred to in article 12 together with the relevant data and information.

3. The State planning the measures shall, at the request of any of the States referred to in paragraph 2, promptly enter into consultations and negotiations with it in the manner indicated in paragraphs 1 and 2 of article 17.

PART IV.
PROTECTION, PRESERVATION AND MANAGEMENT

Article 20
Protection and preservation of ecosystems

Watercourse States shall, individually and, where appropriate, jointly, protect and preserve the ecosystems of international watercourses.

Article 21
Prevention, reduction and control of pollution

1. For the purpose of this article, “pollution of an international watercourse” means any detrimental alteration in the composition or quality of the waters of an international watercourse which results directly or indirectly from human conduct.

2. Watercourse States shall, individually and, where appropriate, jointly, prevent, reduce and control the pollution of an international watercourse that may cause significant harm to other watercourse States or to their environment, including harm to human health or safety, to the use of the waters for any beneficial purpose or to the living resources of the watercourse. Watercourse States shall take steps to harmonize their policies in this connection.

3. Watercourse States shall, at the request of any of them, consult with a view to arriving at mutually agreeable measures and methods to prevent, reduce and control pollution of an international watercourse, such as:

(a) Setting joint water quality objectives and criteria;

(b) Establishing techniques and practices to address pollution from point and non-point sources;
(c) Establishing lists of substances the introduction of which into the waters of an international watercourse is to be prohibited, limited, investigated or monitored.

Article 22
Introduction of alien or new species

Watercourse States shall take all measures necessary to prevent the introduction of species, alien or new, into an international watercourse which may have effects detrimental to the ecosystem of the watercourse resulting in significant harm to other watercourse States.

Article 23
Protection and preservation of the marine environment

Watercourse States shall, individually and, where appropriate, in cooperation with other States, take all measures with respect to an international watercourse that are necessary to protect and preserve the marine environment, including estuaries, taking into account generally accepted international rules and standards.

Article 24
Management

1. Watercourse States shall, at the request of any of them, enter into consultations concerning the management of an international watercourse, which may include the establishment of a joint management mechanism.

2. For the purposes of this article, “management” refers, in particular, to:

(a) Planning the sustainable development of an international watercourse and providing for the implementation of any plans adopted; and

(b) Otherwise promoting the rational and optimal utilization, protection and control of the watercourse.

Article 25
Regulation

1. Watercourse States shall cooperate, where appropriate, to respond to needs or opportunities for regulation of the flow of the waters of an international watercourse.

2. Unless otherwise agreed, watercourse States shall participate on an equitable basis in the construction and maintenance or defrayal of the costs of such regulation works as they may have agreed to undertake.
3. For the purposes of this article, "regulation" means the use of hydraulic works or any other continuing measure to alter, vary or otherwise control the flow of the waters of an international watercourse.

**Article 26**

**Installations**

1. Watercourse States shall, within their respective territories, employ their best efforts to maintain and protect installations, facilities and other works related to an international watercourse.

2. Watercourse States shall, at the request of any of them which has reasonable grounds to believe that it may suffer significant adverse effects, enter into consultations with regard to:

   (a) The safe operation and maintenance of installations, facilities or other works related to an international watercourse; and

   (b) The protection of installations, facilities or other works from wilful or negligent acts or the forces of nature.

**PART V.**

**HARMFUL CONDITIONS AND EMERGENCY SITUATIONS**

**Article 27**

**Prevention and mitigation of harmful conditions**

Watercourse States shall, individually and, where appropriate, jointly, take all appropriate measures to prevent or mitigate conditions related to an international watercourse that may be harmful to other watercourse States, whether resulting from natural causes or human conduct, such as flood or ice conditions, water-borne diseases, siltation, erosion, salt-water intrusion, drought or desertification.

**Article 28**

**Emergency situations**

1. For the purposes of this article, "emergency" means a situation that causes, or poses an imminent threat of causing, serious harm to watercourse States or other States and that results suddenly from natural causes, such as floods, the breaking up of ice, landslides or earthquakes, or from human conduct, such as industrial accidents.

2. A watercourse State shall, without delay and by the most expeditious means available, notify other potentially affected States and competent international organizations of any emergency originating within its territory.

3. A watercourse State within whose territory an emergency originates shall, in cooperation with potentially affected States and, where appropriate, competent international organizations, immediately take all practicable measures necessitated by the circumstances to prevent, mitigate and eliminate harmful effects of the emergency.
4. When necessary, watercourse States shall jointly develop contingency plans for responding to emergencies, in cooperation, where appropriate, with other potentially affected States and competent international organizations.

PART VI.
MISCELLANEOUS PROVISIONS

Article 29
International watercourses and installations
in time of armed conflict

International watercourses and related installations, facilities and other works shall enjoy the protection accorded by the principles and rules of international law applicable in international and non-international armed conflict and shall not be used in violation of those principles and rules.

Article 30
Indirect procedures

In cases where there are serious obstacles to direct contacts between watercourse States, the States concerned shall fulfil their obligations of cooperation provided for in the present Convention, including exchange of data and information, notification, communication, consultations and negotiations, through any indirect procedure accepted by them.

Article 31
Data and information vital to national defence or security

Nothing in the present Convention obliges a watercourse State to provide data or information vital to its national defence or security. Nevertheless, that State shall cooperate in good faith with the other watercourse States with a view to providing as much information as possible under the circumstances.

Article 32
Non-discrimination

Unless the watercourse States concerned have agreed otherwise for the protection of the interests of persons, natural or juridical, who have suffered or are under a serious threat of suffering significant transboundary harm as a result of activities related to an international watercourse, a watercourse State shall not discriminate on the basis of nationality or residence or place where the injury occurred, in granting to such persons, in accordance with its legal system, access to judicial or other procedures, or a right to claim compensation or other relief in respect of significant harm caused by such activities carried on in its territory.

Article 33
Settlement of disputes

1. In the event of a dispute between two or more parties concerning the interpretation or application of the present Convention, the parties concerned shall, in the absence of an applicable
agreement between them, seek a settlement of the dispute by peaceful means in accordance with the following provisions.

2. If the parties concerned cannot reach agreement by negotiation requested by one of them, they may jointly seek the good offices of, or request mediation or conciliation by, a third party, or make use, as appropriate, of any joint watercourse institutions that may have been established by them or agree to submit the dispute to arbitration or to the International Court of Justice.

3. Subject to the operation of paragraph 10, if after six months from the time of the request for negotiations referred to in paragraph 2, the parties concerned have not been able to settle their dispute through negotiation or any other means referred to in paragraph 2, the dispute shall be submitted, at the request of any of the parties to the dispute, to impartial fact-finding in accordance with paragraphs 4 to 9, unless the parties otherwise agree.

4. A Fact-finding Commission shall be established, composed of one member nominated by each party concerned and in addition a member not having the nationality of any of the parties concerned chosen by the nominated members who shall serve as Chairman.

5. If the members nominated by the parties are unable to agree on a Chairman within three months of the request for the establishment of the Commission, any party concerned may request the Secretary-General of the United Nations to appoint the Chairman who shall not have the nationality of any of the parties to the dispute or of any riparian State of the watercourse concerned. If one of the parties fails to nominate a member within three months of the initial request pursuant to paragraph 3, any other party concerned may request the Secretary-General of the United Nations to appoint a person who shall not have the nationality of any of the parties to the dispute or of any riparian State of the watercourse concerned. The person so appointed shall constitute a single-member Commission.

6. The Commission shall determine its own procedure.

7. The parties concerned have the obligation to provide the Commission with such information as it may require and, on request, to permit the Commission to have access to their respective territory and to inspect any facilities, plant, equipment, construction or natural feature relevant for the purpose of its inquiry.

8. The Commission shall adopt its report by a majority vote, unless it is a single-member Commission, and shall submit that report to the parties concerned setting forth its findings and the reasons therefor and such recommendations as it deems appropriate for an equitable solution of the dispute, which the parties concerned shall consider in good faith.

9. The expenses of the Commission shall be borne equally by the parties concerned.

10. When ratifying, accepting, approving or acceding to the present Convention, or at any time thereafter, a party which is not a regional economic integration organization may declare in a written instrument submitted to the depository that, in respect of any dispute not resolved in accordance with paragraph 2, it recognizes as compulsory ipso facto, and without special agreement in relation to any party accepting the same obligation:
(a) Submission of the dispute to the International Court of Justice; and/or

(b) Arbitration by an arbitral tribunal established and operating, unless the parties to the dispute otherwise agreed, in accordance with the procedure laid down in the annex to the present Convention.

A party which is a regional economic integration organization may make a declaration with like effect in relation to arbitration in accordance with subparagraph (b).

PART VII
FINAL CLAUSES

Article 34
Signature

The present Convention shall be open for signature by all States and by regional economic integration organizations from 21 May 1997 until 20 May 2000 at United Nations Headquarters in New York.

Article 35
Ratification, acceptance, approval or accession

1. The present Convention is subject to ratification, acceptance, approval or accession by States and by regional economic integration organizations. The instruments of ratification, acceptance, approval or accession shall be deposited with the Secretary-General of the United Nations.

2. Any regional economic integration organization which becomes a Party to this Convention without any of its member States being a Party shall be bound by all the obligations under the Convention. In the case of such organizations, one or more of whose member States is a Party to this Convention, the organization and its member States shall decide on their respective responsibilities for the performance of their obligations under the Convention. In such cases, the organization and the member States shall not be entitled to exercise rights under the Convention concurrently.

3. In their instruments of ratification, acceptance, approval or accession, the regional economic integration organizations shall declare the extent of their competence with respect to the matters governed by the Convention. These organizations shall also inform the Secretary-General of the United Nations of any substantial modification in the extent of their competence.

Article 36
Entry into force

1. The present Convention shall enter into force on the ninetieth day following the date of deposit of the thirty-fifth instrument of ratification, acceptance, approval or accession with the Secretary-General of the United Nations.

2. For each State or regional economic integration organization that ratifies, accepts or approves the Convention or accedes thereto after the deposit of the thirty-fifth instrument of ratification,
acceptance, approval or accession, the Convention shall enter into force on the ninetieth day after the
deposit by such State or regional economic integration organization of its instrument of ratification,
acceptance, approval or accession.

3. For the purposes of paragraphs 1 and 2, any instrument deposited by a regional economic
integration organization shall not be counted as additional to those deposited by States.

Article 37
Authentic texts

The original of the present Convention, of which the Arabic, Chinese, English, French, Russian
and Spanish texts are equally authentic, shall be deposited with the Secretary-General of the United
Nations.

IN WITNESS WHEREOF the undersigned Plenipotentiaries, being duly authorized thereto, have
signed this Convention.

DONE at New York, this twenty-first day of May one thousand nine hundred and ninety-seven.
ANNEX

ARBITRATION

Article 1

Unless the parties to the dispute otherwise agree, the arbitration pursuant to article 33 of the Convention shall take place in accordance with articles 2 to 14 of the present annex.

Article 2

The claimant party shall notify the respondent party that it is referring a dispute to arbitration pursuant to article 33 of the Convention. The notification shall state the subject matter of arbitration and include, in particular, the articles of the Convention, the interpretation or application of which are at issue. If the parties do not agree on the subject matter of the dispute, the arbitral tribunal shall determine the subject matter.

Article 3

1. In disputes between two parties, the arbitral tribunal shall consist of three members. Each of the parties to the dispute shall appoint an arbitrator and the two arbitrators so appointed shall designate by common agreement the third arbitrator, who shall be the Chairman of the tribunal. The latter shall not be a national of one of the parties to the dispute or of any riparian State of the watercourse concerned, nor have his or her usual place of residence in the territory of one of these parties or such riparian State, nor have dealt with the case in any other capacity.

2. In disputes between more than two parties, parties in the same interest shall appoint one arbitrator jointly by agreement.

3. Any vacancy shall be filled in the manner prescribed for the initial appointment.

Article 4

1. If the Chairman of the arbitral tribunal has not been designated within two months of the appointment of the second arbitrator, the President of the International Court of Justice shall, at the request of a party, designate the Chairman within a further two-month period.

2. If one of the parties to the dispute does not appoint an arbitrator within two months of receipt of the request, the other party may inform the President of the International Court of Justice, who shall make the designation within a further two-month period.

Article 5

The arbitral tribunal shall render its decisions in accordance with the provisions of this Convention and international law.
Article 6

Unless the parties to the dispute otherwise agree, the arbitral tribunal shall determine its own rules of procedure.

Article 7

The arbitral tribunal may, at the request of one of the parties, recommend essential interim measures of protection.

Article 8

1. The parties to the dispute shall facilitate the work of the arbitral tribunal and, in particular, using all means at their disposal, shall:

(a) Provide it with all relevant documents, information and facilities; and

(b) Enable it, when necessary, to call witnesses or experts and receive their evidence.

2. The parties and the arbitrators are under an obligation to protect the confidentiality of any information they receive in confidence during the proceedings of the arbitral tribunal.

Article 9

Unless the arbitral tribunal determines otherwise because of the particular circumstances of the case, the costs of the tribunal shall be borne by the parties to the dispute in equal shares. The tribunal shall keep a record of all its costs, and shall furnish a final statement thereof to the parties.

Article 10

Any party that has an interest of a legal nature in the subject matter of the dispute which may be affected by the decision in the case, may intervene in the proceedings with the consent of the tribunal.

Article 11

The tribunal may hear and determine counterclaims arising directly out of the subject matter of the dispute.

Article 12

Decisions both on procedure and substance of the arbitral tribunal shall be taken by a majority vote of its members.
**Article 13**

If one of the parties to the dispute does not appear before the arbitral tribunal or fails to defend its case, the other party may request the tribunal to continue the proceedings and to make its award. Absence of a party or a failure of a party to defend its case shall not constitute a bar to the proceedings. Before rendering its final decision, the arbitral tribunal must satisfy itself that the claim is well founded in fact and law.

**Article 14**

1. The tribunal shall render its final decision within five months of the date on which it is fully constituted unless it finds it necessary to extend the time limit for a period which should not exceed five more months.

2. The final decision of the arbitral tribunal shall be confined to the subject matter of the dispute and shall state the reasons on which it is based. It shall contain the names of the members who have participated and the date of the final decision. Any member of the tribunal may attach a separate or dissenting opinion to the final decision.

3. The award shall be binding on the parties to the dispute. It shall be without appeal unless the parties to the dispute have agreed in advance to an appellate procedure.

4. Any controversy which may arise between the parties to the dispute as regards the interpretation or manner of implementation of the final decision may be submitted by either party for decision to the arbitral tribunal which rendered it.