

## Preliminary Report for the On-the-Spot Inspection (in case of Bulk Water Supply)

Name (corporate name)	ABC Water Supply Authority	Name of the prefecture	ABC Prefecture
Project title	Tap Water Supply Project in ABC Prefecture	Ledger number	
Name of representative	Mr ABC	Name of engineering manager	Mr ABC
Most recent date of approval	March 19, 2001	Date of approval for the foundation	July 17, 1969
Target year of the project	Fiscal Year 2015	Date of start of water supply	July 1, 1973
Item	Value for the target year of approval (planned value)	Current value (actual value of the previous fiscal year)	
Number of the cities, towns and villages covered by our water supply business	4	4	
Name of the cities, towns and villages covered by our water supply business	ABC Prefectural Water Supply, D Municipal Water Supply, E Municipal Water Supply, F Municipal Water Supply	ABC Prefectural Water Supply, D Municipal Water Supply, E Municipal Water Supply, F Municipal Water Supply	
Effective supplies (m <sup>3</sup> /day)			
Supplies with revenue (m <sup>3</sup> /day)			
Non-revenue supplies (m <sup>3</sup> /day)			
Non-effective supplies			
Average daily amount of water supply (m <sup>3</sup> /day)	1,768,574	1,324,971	
Average daily amount of water supply per person (l/day/person)			
Maximum daily amount of water supply (m <sup>3</sup> /day)	2,534,840	1,500,480	
Maximum daily amount of water supply per person (l/person/day)			
Revenue ratio (%)			
Validity ratio (%)			
Load factor (%)	69.8	88.3	
Nominal facility capacity (m <sup>3</sup> /day)	2,701,100	1,919,800 (2,513,300)	
Cost for supplying water (yen/m <sup>3</sup> )	72.41	110.27	
Unit cost of serviced (yen/m <sup>3</sup> )	79.94	97.35	
Total of the amount of water intake by source	2,721,300	1,529,012	
Surface water (m <sup>3</sup> /day)	2,721,300	1,529,012	
Subsoil water (m <sup>3</sup> /day)			
Groundwater (m <sup>3</sup> /day)			
Other (m <sup>3</sup> /day)			
The number in parentheses stands for the amount of purified water to be received (m <sup>3</sup> /day)			
Name of purification plant	Treatment method	Name of purification plant	Treatment method
Nishinagasawa Purification Plant	1		
Sagamihara Purification Plant	1		
Isehara Purification Plant	1		
Ayase Purification Plant	1		

Note 1: Enter the appropriate number from the following for the water treatment method.

- |                              |  |
|------------------------------|--|
| 1. Rapid filtration          | 2. Slow filtration                               |
| 3. Membrane filter procedure | 4. Iron and Manganese Removal                    |
| 5. Disinfection only         | 6. Other method (clearly state treatment method) |

Note 2: For the current amount of water intake, enter the maximum daily amount of water supply of the last fiscal year.

**For use by water suppliers**

<How to fill in the answer column>

**Answer the questions printed in bold (question marked with numbers and asterisks).**

**Refer to the items in bracketed numbers and bullets when answering above mentioned the questions.**

Describe what you do in detail instead of simply answering yes or no. The items in Ming type will be checked on the day of the inspection. Prepare all documents relevant to the questions on the way of the inspection.

1. Qualifications	Answer
<p>[Waterworks engineering manager]</p> <p><b>1. Does the waterworks engineering manager meet the qualifications? Are there any criteria for appointment?</b> *How many staff fulfill the qualification requirements?</p> <p>1) Is the waterworks engineering manager appropriately appointed? 2) Does the waterworks engineering manager fulfill the qualification requirements? 3) Is an appropriate officer appointed to perform the duties of the waterworks engineering manager?</p> <p><b>2. Does the waterworks engineering manager appropriately execute technical duties to manage waterworks?</b> *Submit an organization chart.</p> <p>1) Does the waterworks engineering manager pursue clerical work regarding the following things and supervise other staff engaged in these jobs?</p> <ul style="list-style-type: none"> <li>• Inspection to see whether waterworks facilities conform to the facility criteria in accordance with the provisions of Article 5 of the Waterworks Law</li> <li>• Water quality test and facility inspection (an inspection prior to the start of water supply) in accordance with the provisions of Article 13, section 1 of the Waterworks Law</li> </ul>	<p>We do not establish the criteria for appointment. However, we appoint those who meet the qualification requirements considering their overall performance including business experience and so on.</p> <p>We have 276 staff members who fulfill the qualification requirements as of April, 2004.</p> <p>1) In order to clarify the duties of the waterworks engineering manager and ensure the implementation of these duties, we have established the regulations “Regarding the Duties of the Waterworks Engineering Manager” to provide necessary technical guidance and supervision. In addition, we have an established system which enables us to respond to emergencies immediately under “the Items of the Water Quality Test that Should be Reported to the Waterworks Engineering Manager.”</p>

<ul style="list-style-type: none"> <li>• Inspection to see whether the structure and material of water supply systems conform to the standards stipulated by the government ordinance in accordance with the provisions of Article 16 of the Waterworks Law</li> <li>• Water quality test in accordance with the provisions of Article 20, section 1 of the Waterworks Law</li> <li>• Medical examination in accordance with the provisions of Article 21, section 1 of the Waterworks Law</li> <li>• Sanitary measures in accordance with the provisions of Article 22 of the Waterworks Law</li> <li>• Emergency shutdown of water supply in accordance with the provisions of Article 23, section 1 of the Waterworks Law</li> <li>• Termination of water supply in accordance with the former provisions of Article 37 of the Waterworks Law (Decree of the Minister of Health, Labour and Welfare)</li> </ul> <p>2) Do you have an established business framework and information management system which allows the waterworks engineering manager to perform his/her duties in an appropriate manner?</p> <p><b>[Construction superintendent and his/her duties]</b></p> <p><b>3. Does the construction superintendent fulfill the qualification requirements? Is he/she appropriately appointed?</b>  *How many staff fulfill the qualification requirements?</p> <p>1) Does the construction superintendent fulfill the qualification requirements?  2) Is the construction superintendent appointed in an appropriate manner?</p>	<p>2) The business framework and information management system are prepared to ensure the appropriate execution of the duties of the waterworks engineering manager by division of duties.</p> <p>The director of construction appoints a construction superintendent who meets the qualification requirements for each project. There are 219 staff members who meet the qualification requirements as of April, 2004.</p>
---	---

<p><b>4. Are the duties of the construction superintendent clearly stated? Are the responsibilities clear?</b>  *Submit a copy if there are any clearly stated documents.</p> <ol style="list-style-type: none"> <li>1) Is the team of the construction superintendent and his/her assistants organized so that the construction superintendent adequately performs his/her duties? In addition, are the duties defined specifically? Is it clear who has the responsibility for them?</li> <li>2) Are reports and records of construction works prepared?</li> <li>3) Is a superintendent also assigned to supervise construction works of waterworks facilities other than those of laying water pipelines?</li> <li>4) When delegating work execution to subcontractors, do you provide sufficient guidance and supervision to them? Is the division of responsibilities of the water supplier clarified?</li> </ol> <p><b>5. Is the division of responsibilities appropriate when delegating the tasks of the construction supervisor?</b></p> <ul style="list-style-type: none"> <li>• Is the division of responsibilities clarified when delegating the tasks of the construction supervisor to third parties?</li> </ul> <p><b>[Other]</b></p> <p><b>6. Are trainings and training courses conducted?</b></p> <ol style="list-style-type: none"> <li>1) Are trainings and training courses conducted in order to improve the technical skills of your staff and to develop engineers who meet the qualification requirements?  *List the names of training courses if conducted (including participation).</li> </ol>	<p>For the construction works of laying water pipelines and those of the waterworks facilities other than those of laying water pipelines, the duties and responsibilities of the construction superintendent are clarified in the Manual for Supervising Construction Work Etc and the Guidelines for Supervising Construction Work.</p> <p>For the buildings stipulated by Article 3, Article 3-2 and Article 3-3 of Kenchikushi Law, their management is delegated.</p> <p>In addition, the tasks of the parties to whom the services are outsourced should be in accordance with the provisions of Article 2, section 6 of the Kenchikushi Law (Article 2, section 6 of the Kenchikushi Law, "The architects should check that the construction work is in accordance with the drawings and specifications.")</p> <p>A plan for the implementation of training is prepared every fiscal year to conduct training sessions based on this plan. A technical training course has been conducted since 2004.</p> <p>The following are the main technical training courses that were conducted during 2003.</p>
--	--

	<p>(Ministry of Health, Labor and Welfare)</p> <ul style="list-style-type: none"> <li>• Training for waterworks engineering manager (National Institute of Public Health)</li> <li>• Water engineering course (Japan Water Works Association)</li> <li>• Workshop for waterworks engineers</li> <li>• Basic course of waterworks</li> <li>• Workshop for waterworks engineers by regional bloc</li> <li>• Workshop for waterworks engineers by specialty</li> <li>• Technical training course (Japan Water Research Center)</li> <li>• Seminar on the development of a rehabilitation assistance system at the time of an earthquake</li> <li>• Seminar on waterworks engineering (Altia Giken)</li> <li>• Training course on atomic absorption spectrophotometers</li> <li>• Training course on atomic absorption spectrometers (Japan Project Research)</li> <li>• Training course on the current jacking method construction technique</li> <li>• Training course on the shield tunneling method construction technique (Institute of General Civil Works)</li> <li>• Training course on basic design and construction</li> <li>• N-value and its usage (Other)</li> <li>• Training for operators handling sealed radioactive sources</li> <li>• Training course on operating technique of small mobile cranes</li> <li>• Safety training for hazardous materials engineers</li> <li>• Training course for engineering managers of waste disposal facilities</li> <li>• Training course for On-the-Ground I-Category Special Radio Operators</li> <li>• Training on radiation safety management</li> <li>• Training course on boiler handling techniques (In-house)</li> <li>• Training for newly employed workers</li> <li>• Training for entry-level employees</li> <li>• Training for new superintendents</li> <li>• Training on management by objectives</li> <li>• Training for middle-level employees</li> </ul>
--	---

2. Authorization and notification	Answer
<p><b>[Authorization]</b></p> <p><b>1. Is the project authorization consistent with the actual facility?</b></p> <p>1) Is the project authorization consistent with the actual facility?  2) What is the cause of the difference if any?  3) What is the maintenance progress for each authorized facility?  4) Are there any abandoned or partially operating waterworks facilities subject to authorization for changing?</p> <p><b>2. Have you made any changes in the business which should be authorized?</b></p> <p>1) Have you obtained authorization for changes of the business?  Changes in types of headwaters and the points of water intake are considered water purification methods. Have you applied for authorization for those changes which require construction work totaling not more than one hundred million yen to the prefectural governor?  2) Have you submitted notification for changes which do not require authorization in advance?</p> <p><b>[Notifications]</b></p> <p><b>3. Have you made notifications in the proper manner?</b>  *Have the following notifications been made appropriately?</p> <ul style="list-style-type: none"> <li>• Notifications of entry change</li> <li>• Notifications of water supply prior to the start</li> <li>• Notifications of delegation to third parties</li> </ul>	<p>The facilities which have already been completed are consistent with the project authorization.</p> <p>Sagami River System Construction Project (1st phase of construction), planned target year of 2007, is now underway, and its progress rate is 97.2% as of the end of the fiscal year 2003.</p> <p>Authorization for changes was obtained regarding the change in the point of water intake and the increase of water supply (ABC Construction Project in ABC River System) on March 29, 2001.</p> <p>The following notifications were made in the past three years.</p> <p>(Notifications of entry change)  August 26, 2003      Change of the name of the representative</p> <p>(Notifications of water supply prior to the start)  April 8, 2002      ABC Purification Plant No.4 Block, inclined plate sedimentation tank with horizontal flow</p> <p>February 12, 2003      ABC water inlet and ABC system water pipeline</p> <p>March 25, 2003      ABC Purification Plant No.3 Block, inclined plate sedimentation tank with horizontal flow</p>

	<p>May 27, 2003      ABC prestressed concrete (PC) regulating reservoir</p> <p>April 2, 2004      ABC Purification Plant No.2 Block, inclined plate sedimentation tank with horizontal flow</p> <p>(Delegation to third parties)</p> <p>April 16, 2003      Technical tasks of managing waterworks at ABC Purification Plant and at BCD Purification Plant</p>
<p><b>[Inspection prior to the start of water supply]</b></p> <p><b>4. Is the inspection prior to the start of water supply conducted properly?</b></p> <p>1) Is the inspection prior to the start of water supply conducted adequately in conformance with the "Ministerial ordinance concerning water quality standards", "The method stipulated by the Minister of Health, Labour and Welfare pursuant to the provisions of the ministerial ordinance concerning water quality standards" and the "Ministerial ordinance stipulating technical standards of water supply facilities"?</p> <p>2) Are the records of the water quality tests and the facility inspection prepared and preserved for 5 years starting from the date of inspection?</p> <p>3) Did the inspection results meet the standards? If not, did you take appropriate actions?</p> <p>4) Are the water source, distribution reservoir and clean water reservoir also inspected as required?</p> <p>5) With regards to the inspection prior to the start of water supply been develop? which specify items to be inspected (including hydraulic test, water quality test) been developed?</p>	<p>1) The inspection prior to the start of water supply is conducted properly in accordance with the applicable laws and regulations. The inspection results meet the water quality standards and technical standards of waterworks facilities.</p> <p>2) The inspection records are preserved for 5 years.</p> <p>3) The inspection results meet the water quality standards and the technical standards of waterworks facilities.</p> <p>4) The inspection prior to the start of water supply is conducted for "the construction works of laying water pipelines" stipulated by Article 3 of the Waterworks Law.</p> <p>5) No specific rules have been developed regarding the inspection prior to the start of water supply. However, it is conducted in accordance with the "Ministerial ordinance concerning water quality standards." The facility inspection is also conducted at each construction phase: design, execution and construction completion, to meet "the technical standards of water supply facilities."</p>

3. Management of waterworks facility	Answer
<p><b>1. Do the waterworks facilities meet the facility standards?</b></p> <p>*Does the disinfection facility have a structure to allow contact between water and disinfectant for the required time?</p> <p>*Is equipment provided to adjust the supply of disinfectant?</p> <p>*Is equipment such as filtration equipment installed to remove Cryptosporidium, chlorine resistant pathogenic organisms, in case these are mixed in with raw water?</p> <p>*Are systems necessary to prevent disturbances to the living environment caused by rinse-waste from the filtration equipment, drainage from the sedimentation basin and other drainage from water purification processes installed when these wastes are discharged into public waters?</p> <p>1) Is each waterworks facility installed according to the quality and amount of raw water and geographical conditions, and formed to meet the necessary requirements and secure the required water supply?</p> <p>2) Are the structure and material of the waterworks facility secure and durable against load and external force such as self-weight, live load, water pressure, earth pressure, wind pressure, seismic force, snow load, ice pressure and thermal stress in terms of the structure and material? Are the structure and material of these facilities also leak-free and contamination-free against the exterior and other materials?</p> <p>3) Does the waterworks facility fulfill the "Ministerial ordinance stipulating the technical standards of waterworks facilities"?</p> <p>4) Do the substances added to the water by injecting chemicals meet the "Ministerial ordinance stipulating the technical standards of waterworks facilities"?</p>	<p>The waterworks facilities meet the facility standards stipulated by Article 5 of the Waterworks Law. Disinfectant is injected into the post chlorination basin, where it contacts with water sufficiently. Chlorine dosage is controlled. The water is treated in the rapid filtration basin. The target value for treatment is determined so that the turbidity of filtered water is not more than 0.05 degrees. A closed system which generates no discharge into the public waters is adopted in ABC Purification Plant and BCD Purification Plant. Some of the waste water from the water purifying process is discharged after the appropriate treatment in EFG Purification Plant and HIK Purification Plant.</p> <p>1) Each waterworks facility such as water-intake, water-conveyance and water supply meets its respective requirements.</p> <p>2) Each waterworks facility is designed based on the design load and external force according to the characteristics of each facility. In addition, it is designed to have the optimum foundation based on the soil investigation. Equipment with suitable properties is selected in accordance with the "Ministerial ordinance stipulating the technical standards of waterworks facilities."</p> <p>3) The waterworks facilities meet the "Ministerial ordinance stipulating the technical standards of waterworks facilities."</p> <p>4) Chemicals used for the water purification process conform to JIS or JWWA (Japan Water Works Association).</p>

<p><b>2. Are periodic inspections conducted on the waterworks facility?</b>  *How do you develop procedures for maintenance inspection, including the inspection items and timing of inspection?</p> <ol style="list-style-type: none"> <li>1) Are periodic inspections conducted on the waterworks facility?</li> <li>2) When abnormalities are found, do you conduct a detailed survey and take appropriate actions, including repair and improvement, in a prompt manner?</li> </ol>	<p>Daily inspection, periodic inspection and close inspection are conducted in accordance with the "Guidance on inspection and maintenance" developed by the department of water supply.</p> <p>Inspection of the electrical facilities is conducted according to the standards for foot inspection, inspection and measurement, stipulated in the ABC Water Supply Authority's "safety regulations for home electrical facilities."</p> <p>When abnormalities or failure are found, appropriate measures are taken according to the conditions so as to prevent a local fault or abnormality from affecting the entire system.</p>
<p><b>3. Has an operating manual for the purification plant, and the water supply and distribution facility been developed?</b></p>	<p>"Guidance on Water Treatment" and ABC Water Supply Authority's "Operation and Management Standards on Purification Plants" have been developed as operating manuals.</p>
<p><b>4. Is a daily log of facility management and activities maintained?</b></p>	<p>A daily report is prepared.</p>
<p><b>5. Are the facility map and piping diagram developed and preserved?</b></p> <ul style="list-style-type: none"> <li>• Are they constantly updated, made available immediately whenever needed, and preserved?</li> </ul>	<p>The purification plant and the intake office respectively keep the completion drawing. The operation department keeps and manages the completion drawings on microfilm and electronic data.</p>
<p><b>6. Is the amount of water intake adequately controlled?</b></p> <ol style="list-style-type: none"> <li>1) Does the amount of water intake surpass the planned amount?</li> <li>2) Is permission for the water source applied for, managed and updated in an appropriate manner?</li> </ol>	<p>Since the amount of water intake is controlled by capping so that it will not exceed the planned value, it has never gone beyond the limits. Upgrading procedures for water rights are performed in a proper manner.</p>
<p><b>7. Are you answer which pipes are deteriorated by aging? Are those pipes replaced according to the plan?</b>  *How long have asbestos cement pipes, lead pipes and aging pipes been in use, and what is the survival rate of these pipes?</p> <ol style="list-style-type: none"> <li>1) Are you aware which pipes are deteriorated by aging?</li> </ol>	<p>No pipe has been used for more than 40 years after its installation.</p> <p>The types of water pipe used are steel pipe and ductile iron pipe.</p>

<p>2) Are those pipes replaced in an active manner? Do you try to replace the asbestos pipes in particular systematically?</p> <p><b>8. Are countermeasures against water leakage taken according to the plan?</b></p> <ul style="list-style-type: none"> <li>• Is an annual plan of the measures against water leakage developed?</li> </ul>	<p>Electric leakage inspections are conducted on a yearly basis. In addition to this, the water pipeline is patrolled on a monthly basis. The total amount of water supply from the purification plants and the total supply amount at the water supply points are checked once a month.</p>
---	--

<p><b>4. management</b></p>	
<p><b>Medical examination</b></p> <p>*List the medical examination items.</p>	<p>1) Periodic medical examination: conducted once per year for all members of staff</p> <p>Examination of past medical history and work history, examination of subjective and objective symptoms, height, weight, visual acuity, hearing acuity, indirect chest X-ray (two directions), blood pressure, blood, hepatic function, blood lipid, blood sugar, urine, electrocardiogram, creatinine, uric acid, fecal occult blood test</p> <p>2) Special medical examination (medical examination for workers who are engaged in VDT (visual display terminal) work): conducted yearly for all members of staff</p> <p>Examination of past medical history and work history, examination of subjective and objective symptoms, ophthalmology (visual acuity and others), musculoskeletal system (motor function of the upper extremities)</p> <p>3) Special medical examination (medical examination for those engaged in night work): conducted yearly for workers on shift-work and security guards</p> <p>Examination of past medical history and work history, examination of subjective and objective symptoms, height, weight, visual acuity, blood pressure, blood (hemoglobin content), urine (sugar, protein)</p> <p>4) Special medical examination (aimed to prevent organic solvent poisoning): conducted twice a year for those engaged in water quality tests</p> <p>Examination of past medical history and work history, examination of subjective and objective symptoms, hepatic function, urine protein and metabolites in urine</p>

<p><b>1. Are medical examinations conducted appropriately?</b></p> <ol style="list-style-type: none"> <li>1) Is a periodic medical examination conducted approximately every six months to see if there are any patients with infectious diseases (including carriers), from whom pathogens are excreted in urine?</li> <li>2) Are the medical examination items conducted appropriate?</li> <li>3) Do any conditions arise which require special medical examination? If so, is a medical examination conducted?</li> </ol> <p><b>2. Are examinees of the medical examination selected appropriately?</b></p> <ul style="list-style-type: none"> <li>• Are all workers who work in an intake plant, purification plant or distribution reservoir, and all of those who live on the premises of these facilities subject to a medical examination?</li> </ul> <p><b>3. Are records of medical examinations for the past one year kept?</b></p> <p><b>Hygiene measures</b></p> <p><b>4. Are there any countermeasures against contamination of the waterworks facility? Are measures such as safety fences, locks and restricted area signs provided?</b> *Where are these provided?</p>	<p>5) Special medical examination (medical examination for the purpose of preventing hazards due to specified chemical substances): conducted twice a year for those engaged in water quality tests</p> <p>Benzene: examination of past medical history and work history, examination of subjective and objective symptoms, blood</p> <p>Manganese: examination of past medical history and work history, Parkinson's-like symptoms, gripping power</p> <ol style="list-style-type: none"> <li>1) A stool test is conducted twice a year (every 6 months).</li> <li>2) The examination items include Shigella and Escherichia coli O 157.</li> <li>3) No specific events requiring special medical examination have occurred.</li> </ol> <p>A stool test is conducted for the workers who work in the intake offices and the purification plants, and for those who are engaged in outsourced business services, such as waste water treatment and cleaning.</p> <p>The records of medical examinations are kept for five years. The records of stool test results are kept for a year.</p> <p>Locks and safety fences as well as restricted area signs are provided at all the facilities. The staff members try to keep the waterworks facilities clean while on foot patrol.</p>
---	---

<p>1) Do you keep water intake plants, storage reservoirs, aqueducts, purification plants, distribution reservoirs and pumps clean and take measures to keep the water from contamination?</p> <p>2) Are any necessary measures such as locking or providing fences taken to prevent contamination of the water of the above facilities due to entry of humans and animals? Are lavatories, waste storage and sump pits watertight to keep sewage from leaking? Is sewage from these facilities drained appropriately? Is any cultivation or gardening using human waste, or grazing of domestic livestock conducted on the premises?</p>	
<p><b>5. Is the free residual chlorine level maintained above the reference level at faucets?</b></p> <p>1) Is the chlorination procedure appropriate so as to maintain the free residual chlorine level above the reference level of 0.1mg/l (0.4mg/l in the case of combined residual chlorine) at faucets of the water supplier?</p> <p>2) Is the chlorination procedure appropriate so as to maintain the free residual chlorine level above the reference level of 0.2mg/l (1.5mg/l in the case of combined residual chlorine) at faucets of the water suppliers in case of possible contamination of water supplied due to pathogenic organisms, or possible presence of organisms or substances in the water suspected of contamination caused by pathogenic organisms?</p>	<p>The "Agreement on the practical business of tap water supply" specifies that the free chlorine residual level should be maintained above 0.6mg/l at supply points.</p> <p>Automatic residual chlorine analyzers are located at 33 points out of 37 direct supply points to provide constant surveillance so as to keep the residual chlorine level above 0.6mg/l.</p> <p>* Those remaining four points are located at the supply points on the water pipeline with no automatic residual chlorine analyzer. Currently, we are preparing for the introduction of the analyzer to these four points as well.</p>
<p><b>6. Is chlorination conducted continuously at appropriate points?</b></p> <p>1) Is it checked to see that chlorination is not interrupted? Is the chlorination equipment kept maintained so as not to interrupt chlorination? Are there any spares?</p>	<p>1) The residual chlorine level is under constant surveillance at the inlets and outlets of the sedimentation basins, filtration basins and regulating reservoir (total of six points) in the purification plants. A daily inspection tour is conducted for the chlorination equipment. A spare machine is also available.</p>

<p>2) Is disinfectant injected in a manner to allow for sufficient mixing with the water in the water measuring basin or distribution reservoir?</p>	<p>2) When adding disinfectant outside the purification plants, it is injected into the water pipeline, which enables sufficient mixing with the water.</p>
--	---

<p><b>5. Water quality test</b></p>	
<p>* Submit one copy of the water quality test results attached to this report. Enter the name of the purification plant and the date of inspection of raw water and purified water in the answer column (submit the most recent data of the inspection of all the items conducted on the main purification plant for raw water and purified water respectively).</p>	<p>Attached data</p> <p>Raw water collected from ABC conveyance pipe (ABC river system) on May 17</p> <p>Purified water collected at ABC Purification Plant on May 17</p>
<p><b>1. Are periodic water quality tests conducted at intervals designated by law? Are the inspection items appropriate?</b></p> <p>1) Are periodic water quality tests conducted at intervals designated by law (daily, monthly, not less than once every three months)? Are the inspection items appropriate?</p> <p>2) When there are inspection items requiring less frequent inspections, do they meet the requirements to allow them to be decreased? Is the frequency of inspection appropriate?</p> <p>3) When some of the inspection items are skipped, do they meet the requirements to allow them to be skipped? Is a water quality test conducted for skipped items once every three years approximately?</p> <p>4) Is a periodic inspection of all the items (excluding by-product substances from chlorination) conducted for raw water of all the water source once per year including the time when the water quality most badly deteriorates? Are inspections of items set as targets for water quality management conducted as necessary?</p>	<p>1) Periodic water quality tests are conducted for all the items at intervals designated by law.</p> <p>2) There are no items requiring less frequent inspections.</p> <p>3) There are no items skipped.</p> <p>4) A periodic inspection of all the items for raw water is conducted four times per year, including the time when the water quality most badly deteriorates. The items set as targets for water quality management are inspected not less than four times per year.</p>
<p><b>2. Are the points for water collection appropriate?</b></p> <p>*What type of places do you select for water collection for inspection? (A drawing will be checked for those places on the day of inspection).</p>	

<p>1) Are supply points to water suppliers selected for water collection points in principle? In addition to this, do the points allow for proper judgments to see that the collected water meets the water quality standards selected? Are they selected for each water pipeline? When selecting outlets of purification plants for points of collecting water on specified inspection items, are they selected in an appropriate manner?</p> <p>2) Is the number of points for collecting water determined reasonably by type of the headwaters, purification facility and water supply facility? Are the places such as the ends of water supply pipes where water easily stagnates also selected?</p> <p><b>3. Are the items with target setting for water quality management inspected?</b></p> <p>*If conducted, submit one copy of the most recent data after entering collection points and inspection dates in the same way as for 1.</p> <ul style="list-style-type: none"> <li>• Are the items with target setting for water quality management determined from the viewpoint of type of the water source, material and equipment and the chemicals? Are these planned to be publicized?</li> </ul> <p><b>4. Is the procedure of selecting where to outsource business services appropriate?</b></p> <p>*Are there any items of the water quality testing that are outsourced? If any, enter the name of the entity and number of items. How are these entities selected?</p>	<p>1) The periodic water quality test is conducted at the pipe ends of the supply points to the water supply pipeline of the purification plant. Twenty-one items with no possibility of change in the water supply pipeline are selected as specified inspection items at the outlets of the purification plant.</p> <p>2) Water collection is conducted at all the pipe ends of the supply points (16 points). For the items such as by-product substances from chlorination that are expected to change in the course of supply, water is collected at the nine remote points at the pipe ends of each water supply pipeline, which meet certain requirements (the distance from the purification plant is not less than 10 km and the average arrival time from the purification plant is not less than 10 hours).</p> <p>The water quality test for the items with target setting for water quality management is conducted. The level of chlorous acid, chloric acid and chlorine dioxide are not measured since chlorine dioxide is not used. The inspection results will be made public in the "water quality test results and survey report." Attached data: data is shown in the water quality test report as mentioned in 1.</p> <p>The water quality testing is not outsourced.</p>
--	---

<p><b>5. Do the water quality test results meet the water quality standards?</b></p> <p>1) Do the water quality test results meet the water quality standards (the Ministerial Ordinance concerning Water Quality Standards)?</p> <p>2) When values beyond the water quality standards are found, are the necessary measures taken after the immediate investigation of the cause?</p> <p>3) When abnormalities are found, are reexaminations conducted for verification in a prompt manner?</p>	<p>1) All the items for the water quality standards meet the referenced values.</p> <p>2) No such cases have occurred in the past. When detecting values exceeding the referenced values, we are ready to investigate the cause and take necessary actions immediately.</p> <p>3) No such cases have occurred in the past. When values surpassing the target values determined by ABC Water Supply Authority occur, reexaminations will be conducted according to the judgment of the waterworks engineering manager if needed.</p>
<p><b>6. Were any temporary water quality tests conducted last year?</b></p> <p>*If yes, how many?</p> <p>1) Did any conditions requiring a temporary water quality test arise? If yes, was a water quality test conducted?</p> <p>2) What measures were taken if any abnormalities were found by a temporary water quality test?</p>	<p>1) A temporary water quality test was conducted 57 times at ABC river system and 34 times at Sagami river system when abnormalities were found in raw water.</p> <p>2) When abnormalities are detected, appropriate actions are taken according to the water treatment guideline.</p>
<p><b>7. Is a plan for water quality testing developed?</b></p> <p>1) A plan for water quality testing is supposed to be developed prior to the start of each fiscal year. Its development has been notified to the greatest possible extent during the fiscal year of 2004. Was a plan for the year of 2004 also developed?</p> <p>2) If yes, is the content of the plan appropriate?</p>	<p>1) The water quality test plan for the fiscal year of 2004 was developed.</p> <p>2) It was developed according to the Enforcement Regulations of the Waterworks Law.</p>

<p>3) Are the necessary items selected and specified as the water quality test items from those regarding the items with target setting for water quality management and raw water?</p>	<p>3) The necessary items from the water quality test items regarding those with target setting for water quality management and raw water are selected and specified as the "items considered necessary to manage the water quality by ABC Water Supply Authority" in the water quality test plan.</p>
<p><b>8. Are the quality control and reliability assurance secured?</b></p> <p>1) Is an effort made to establish a system that enables accurate inspection results to be obtained?</p> <p>2) When a water quality test is outsourced, are the results of quality control checked?</p>	<p>1) A chief of quality control was assigned in 2003. In addition to this, an internal quality control study team was formed in order to improve quality control. The team consisted of the representatives of the departments, purification plants and intake offices respectively. Three items: pH value, aluminum and VOC (volatile organic compounds) were measured in 2003 as the investigation items for internal quality control.</p> <p>As part of external quality control, we have participated in the external quality control study conducted by the "ABC prefecture external quality control committee" of the hygiene department of ABC prefecture since 1996, and in the "study on uniform data for the quality control of the tap water quality testing" conducted by The Ministry of Health, Labour and Welfare since 2002.</p> <p>2) The water quality testing is not outsourced.</p>
<p><b>9. Are the records of water quality testing for the past 5 years preserved?</b></p> <p>1) Are the records of water quality testing prepared in a proper manner?</p> <p>2) Are the records of water quality testing for the past 5 years preserved?</p>	<p>The records of the water quality testing are preserved for five years in the server and in the magnetic disk library on electronic data. The "Water quality testing and investigation report" is printed and bound every year.</p>

<b>6. Water quality management</b>	<b>Answer</b>
<p>1. Do you understand pollution sources in the vicinity of the water source and up river?</p> <p>* Has a map been developed and a contact network established?</p> <p>* Is water quality management performed using bioassay and so on?</p> <p>1) Are the locations and the operations of factories and business entities which are pollution sources or have the possibility of becoming pollution sources around the water source and in the vicinity understood?</p> <p>2) If you are a water supplier with headwaters at risk of contamination, do you enhance surveillance of the headwaters? Are any specific measures for early detection of pollution due to poisonous substances taken by breeding fishes in the raw water or by making use of automatic water quality monitoring equipment as required? Is a communication and report system among relevant water suppliers and administrative agencies concerned established for each river system if necessary?</p> <p><b>Measures against Cryptosporidium</b></p>	<p>1) A list and map showing the specified business entities have been developed. Water collected from the rivers is tested on a regular basis. Waste water from those business entities is also tested if needed.</p> <p>2) The measures for early detection of pollution due to poisonous substances are taken by monitoring fishes in a fish tank and by using an automatic measuring machine for water quality since there are various types of pollution sources.</p> <p>A report system according to the water quality hazard network has been developed by ABC prefecture, the council of water quality of ABC River and BDE (the member organizations and ABC Water Supply Authority) has developed an emergency contact system, and a contact network has developed independently. We ask the relevant organizations to report information on pollution.</p>

<p><b>2. Is an examination to check the presence of Cryptosporidium, indicator bacteria, conducted?</b></p> <p>1) Do you check whether emission sources such as facilities to treat human waste, sewage and livestock excreta are located in the upstream or in the periphery of the water source?</p> <p>2) If risk of pollution exists, is an examination to check the presence of Cryptosporidium, indicator bacteria, conducted?</p>	<p>1) We check the facilities with a risk of contaminated emissions by making reference to a list of the specified business entities and a field survey.</p> <p>2) An examination to check the presence of protozoa is conducted regularly. A test of <i>Escherichia coli</i> is also conducted to compensate for the frequency of the protozoa test.</p>
<p><b>3. Are there any waterworks facilities at risk of being polluted by Cryptosporidium? Are any measures against it taken in these facilities?</b></p> <p>1) Are there any waterworks facilities where raw water is at risk of being polluted by Cryptosporidium?</p> <p>2) In those at risk of pollution with no filtration system, are measures such as installing filtration systems or changing the headwaters taken?</p>	<p>1) Since Cryptosporidium has been detected from both ABC and BDE River, raw water of HIK, GHK, KLM and XYZ Purification Plant have the possibility of being polluted.</p> <p>2) Water is treated through a rapid filtration basin in all the purification plants.</p>
<p><b>4. Are countermeasures developed in case of detection of Cryptosporidium?</b> *Has a countermeasures manual been developed?</p>	<p>A temporary countermeasures manual for Cryptosporidium by ABC Water Supply Authority (proposal) has been prepared.</p>

7. Risk management measures	Answer
<p><b>1. Has a risk management manual been developed?</b> *Countermeasures against water quality hazards, terrorism, earthquake disasters, power failures and drought</p> <p><b>2. Is a contact network fully established?</b></p> <ul style="list-style-type: none"> <li>• Are an emergency contact system and an emergency response system among relevant business entities, and those to notify local residents, water suppliers concerned and relevant administrative agencies fully prepared in case of urgent situations such as water quality or earthquake hazards? In addition, do you try to familiarize such systems to parties involved in order to enable immediate actions even in ordinary times?</li> </ul> <p><b>3. Is the chain of command of water supply shutdown clear?</b></p> <ol style="list-style-type: none"> <li>1) Is the chain of command of emergency shutdown of water supply clear?</li> <li>2) In the event of emergency shutdown of water supply, are there any systems to notify this to parties concerned? (Have you performed an emergency shutdown during the past five years? What was the cause of that?)</li> </ol>	<p>A "Waterworks facility risk management manual" has been developed in order to respond in a more immediate and more adequate manner in case of disasters such as water quality hazards and power failure. An "Earthquake disaster prevention plan" and "Implementation guideline for earthquake disaster prevention plan" have been developed as measures against earthquake disaster. The department of operation, intake offices, and purification plants respectively have prepared a manual based on these plans. The "Guideline for setting up a task force to address a possible water shortage by ABC Water Supply Authority" has been prepared to cope with drought.</p> <p>An emergency contact system among member organizations and relevant administrative agencies has been established through the "Agreement on the business practices of tap water supply" and "Confirmation of a disaster network."</p> <p>Parties involved are familiarized with these systems even in ordinary times. A network poster is posted in conspicuous places in the administrative center, purification plants and intake offices in readiness for urgent situations.</p> <ol style="list-style-type: none"> <li>1) The "Water treatment guideline" clarifies emergency responses and the chain of command in case of a water quality hazard.</li> <li>2) The "Confirmation of a disaster network" and "Water treatment guideline" specify the emergency network. No emergency shutdown has been performed during the past five years.</li> </ol>

<p><b>4. Are an emergency recovery system and emergency water supply system established?</b></p>	<p>The implementation guideline on the earthquake disaster prevention plan clarifies an emergency recovery system.</p> <p>The "Agreement on material supply in case of disaster" and "Agreement on cooperation in restoration work in case of disaster" are concluded with 38 private companies, and with two corporations and 41 private companies respectively, which allow us to prepare for recovery work immediately.</p> <p>The "Agreement on implementation of emergency water supply in case of disaster" is concluded with ABC prefectural water supply, X municipal water supply and Y municipal water supply to conduct a joint drill on emergency water supply on a regular basis.</p> <p>In addition to these, several mutual support agreements are concluded with the following organizations.</p> <ul style="list-style-type: none"> <li>• A Water Supply Authority</li> <li>• B Water Supply Authority</li> <li>• Japan Water Works Association, a ABC prefecture branch and BDE region branch</li> <li>• National Council of Water Supply Authority, BDF district council</li> </ul>				
<p><b>5. Are water trucks and water supply tanks ready for use?</b> *Enter the quantity.</p>	<table border="0"> <tr> <td>Water trucks (1m<sup>3</sup>)</td> <td style="text-align: right;">8</td> </tr> <tr> <td>Plastic containers (10 L)</td> <td style="text-align: right;">3,750</td> </tr> </table>	Water trucks (1m <sup>3</sup> )	8	Plastic containers (10 L)	3,750
Water trucks (1m <sup>3</sup> )	8				
Plastic containers (10 L)	3,750				
<p><b>6. Do you a have regional partnership with neighboring cities, towns and villages in case of emergencies?</b></p>	<p>A regional partnership with neighboring cities, towns and villages in case of emergencies is established according to the "Memorandum of mutual support in the event of disaster by Japan Water Works Association, ABC prefecture branch."</p>				

<p><b>7. Do you make efforts to perform drills in preparation for risk management?</b></p>	<p>An earthquake disaster prevention drill for all staff has been held since 1996 once per year. A joint drill on emergency water supply is held with the member organizations according to the "Agreement on implementation of emergency water supply in case of disaster" once per year. The intake offices and purification plants regularly hold an in-house drill preparing for emergency responses in case of power failure.</p>
<p><b>8. Are any measures for residents taken as risk management strategies?</b></p> <ul style="list-style-type: none"> <li>• Are there any measures for consumers of tap water adequately taken in emergency situations (such as public relations activities)?</li> </ul>	<p>Emergency water supply equipment is provided for water supply to neighboring residents in urgent situations.</p>
<p><b>9. Do you enhance surveillance for the water source and security for waterworks facilities as risk management measures against terrorism?</b></p> <ul style="list-style-type: none"> <li>• Do you try to enhance surveillance for the water source and security for waterworks facilities, and establish protection measures?</li> </ul>	<p>Around-the-clock surveillance by ITV (industrial television) and inspection and patrol tours by staff are provided in order to guard the intake offices and purification plants.</p> <p>For those areas where staff are not stationed around-the-clock (supply points, etc.), facility security is outsourced to security companies to provide a foot patrol by a security guard, and protection by a sensor.</p>
<p><b>10. Do you keep track of visitors to facilities?</b></p> <ul style="list-style-type: none"> <li>• Do you keep track of visitors and businesses to facilities?</li> </ul>	<p>A security guard is stationed at the front gate of each intake office and purification plant. All visitors and businesses are obliged to fill in a register upon entry and exit.</p>
<p><b>11. Are chemicals stored and managed properly?</b></p> <ul style="list-style-type: none"> <li>• Is a specified person authorized to handle those chemicals and prepare a chemical inventory?</li> </ul>	<p>A designated person is authorized to handle chemicals for water quality testing. Chemicals are managed and stored properly according to the "Notice of management of chemicals for water quality testing."</p>

<p><b>12. Do you promote earthquake retrofit of main facilities?</b></p>	<p>Since our facilities were constructed during two different construction periods (establishment project and Sagami River System Construction Project), earthquake retrofit work is performed separately.</p> <p>No reinforcement measures are necessary for pipe lines due to limitation of pipes to only two types: steel pipes and ductile iron pipes, and pipes are buried deep in good solid ground.</p> <p>{ Establishment project } construction period: 1969 – 1978</p> <p>Evaluation of seismic capacity was conducted in 1983 (on the assumption of an earthquake equivalent to the Great Kanto Earthquake), and in 1996 and 1997 (on the assumption of an earthquake equivalent to the Hyogo-ken Nanbu Earthquake). The facilities requiring reinforcement have been provided earthquake protection according to this evaluation. Specific reinforcement measures include reinforcement of expansion joints at sedimentation basin and filtration basin, work to prevent collapse of the aqueduct bridges and aqueducts, and reinforcement of bridge piers.</p> <p>Evaluation of seismic capacity was conducted on the facilities in conformance with the "Comprehensive evaluation of seismic capacity of facilities of government agencies, improvement standard and explanation." When the rating was other than "D," reinforcement was provided so as to meet the standards of "D." Specific reinforcement measures include new seismic walls, additional placing of reinforced concrete and new steel bracing.</p> <p>{ ABC River System Construction Project } construction period: 1980 – 2007</p> <p>Since the safety of the facilities of the establishment project, designed according to the old standards, was verified by evaluation of seismic capacity and other means, those of the ABC River system, with seismic design based on the more stringent standards, are believed to be sufficiently resistant against possible earthquakes.</p>
--	--

<p><b>13. Are waterworks facilities constructed and maintained considering power failure?</b></p> <ul style="list-style-type: none"> <li>• Are waterworks facilities and their operation system maintained in consideration of power failure?</li> </ul>	<p>A dual-line input system is provided with the intake offices, purification plants, conveyance pump station and water supply pump station. These facilities are also equipped with private power generators and storage battery equipment. In addition, storage battery equipment is installed at water supply points.</p>
<p><b>14. Do you have sufficient stock in case of water leakage accidents?</b></p>	<p>The purification plants and intake offices have enough stock of filler, pipe materials for chemical feed, and temporary chemical feed systems in accordance with the results of the evaluation of seismic capacity.</p> <p>For the part of the pipeline that traverses the active fault, joint straps, repair sleeves, and repair straps are stockpiled at the facilities near the fault.</p>

8. Response to residents	Answer
<p><b>1. Is information provided to residents properly?</b> *What information is provided and how?</p> <p>1) Is the following information stipulated by the Waterworks Law actively provided to residents who are consumers of tap water?</p> <ul style="list-style-type: none"> <li>• Water quality test plan, results of routine water quality test, items regarding the safety of water quality</li> <li>• Implementation systems of water supply business including what is outsourced to the third parties</li> <li>• Items concerning expenses for water supply business and cost for the water</li> <li>• Items concerning management of water supply system and water storage tanks</li> </ul> <p>2) Are they easily available to residents and easy to understand?</p> <p><b>2. Is information regarding emergencies such as disasters or water quality hazards provided to residents in an appropriate manner?</b> *What is the information and how is it provided?</p> <ul style="list-style-type: none"> <li>• Is information regarding emergencies such as disasters or water quality hazards provided to consumers of water supply in an appropriate manner?</li> </ul> <p><b>3. Are there any activities held involving the community?</b></p> <ul style="list-style-type: none"> <li>• Are there any activities held involving the community such as opportunities for public comment, a monitoring system or disaster drill? What activities do you plan to hold?</li> </ul>	<p>Information is provided primarily via the Internet website.</p> <p>Content of information: facility overview, water quality (water quality test plan, results of routine water quality testing), budget and settlement of accounts, bidding, reservoir status, the water cost, management evaluation, financial plan, environmental accounting, countermeasures against global warming</p> <p>How information is provided: Through the Internet website, radio, public relations magazines, newspaper advertisements, and participation in various events</p> <p>We do not plan to provide information to the residents directly due to the nature of our business. The information shown below is provided to the member organizations via the medium stated.</p> <p>Content of information: damage status, prospect of recovery, backup</p> <p>How to provide: Primarily responding by telephone (ABC telephone line, multichannel radio system)</p> <p>The following activities involve the community.</p> <ul style="list-style-type: none"> <li>• Surveillance monitoring of the water source of ABC River system: foot patrol of the rivers and the irrigation canals and reporting abnormalities, participation in a monitoring meeting and a facility tour</li> <li>• Bird walk and facility tour (ABC Intake Office and BDF Intake Office)</li> </ul>

<p><b>4. Do you handle complaints from consumers in an appropriate manner?</b></p> <p>1) Are complaints from consumers and their process status recorded? Are these complaints processed properly?</p> <p>2) Are these complaints from consumers reflected in improvements in customer services?</p> <p><b>5. Are procedures to notify consumers of water supply shutdown appropriate?</b></p> <p>*Was there any emergency shutdown of water supply in the past five years? What were the causes?</p> <ul style="list-style-type: none"> <li>• When performing emergency shutdown of the water supply system in accordance with the provisions of Article 15, section 2 of the Waterworks Law applied by the provisions of Article 31 of the Waterworks Law accordingly, do you notify consumers of areas subject to shutdown and time periods in advance?</li> </ul>	<ul style="list-style-type: none"> <li>• Participation in various events in 2003 XYZ festa (four times a year) Water festival in ABC city Clean campaign Exhibition of the water source of ABC Festival for interacting with the rivers in ABC Festival of the commerce and industry in ABC Gathering for water source conservation forest</li> </ul> <p>ABC water supply council is established to exchange information and opinions with the member organizations, our customers, on a regular basis for smooth management of our business.</p> <p>Water supply shutdown associated with construction works is performed following discussion with the member organizations. No water supply shutdown has been performed in the past five years.</p>
---	--

9. Resources, environment and other	Answer
<p><b>Resources and environment</b></p> <p><b>1. Do you take any energy-saving measures?</b></p> <p>1) Are there any facilities designated as "Type 1 Designated Energy Management Factories" or "Type 2 Designated Energy Management Factories" stipulated by The Law concerning the Rational Use of Energy?</p> <p>2) If there are any facilities designated as "Type 1 Designated Energy Management Factories" or "Type 2 Designated Energy Management Factories," are persons authorized for energy management selected in an appropriate manner?</p> <p>3) If there are any facilities designated as "Type 1 Designated Energy Management Factories," is a medium and long-term plan prepared?</p> <p>4) If there are any facilities designated as "Type 1 Designated Energy Management Factories" or "Type 2 Designated Energy Management Factories," do you report periodically?</p> <p><b>2. Do you make any efforts for effective utilization of resources or global environmental conservation?</b> *Enter voluntary activities, if any.</p>	<p>1) There are five facilities designated as "Type 1 Designated Energy Management Factories" and three designated as "Type 2 Designated Energy Management Factories."</p> <p>2) A person authorized for energy management is selected for each designated energy management factory.</p> <p>3) A medium- and long-term plan was prepared for each "Type 1 Designated Energy Management Factory" to submit to the Ministry of Health, Labour and Welfare, and Ministry of Economy, Trade and Industry (submitted on May 30, 2004).</p> <p>4) A periodic report for the year 2003 was prepared for each designated energy management factory and submitted to the Ministry of Health, Labour and Welfare, and Ministry of Economy, Trade and Industry (submitted on May 30, 2004).</p> <p>The "Action plan for countermeasures against global warming by ABC Water Supply Authority" was prepared in 2002. According to this plan, we have been taking actions to reduce greenhouse gasses. Our main goal is to reduce total greenhouse gas emissions by not less than 0.8% of the figure for 2001 by the target year of 2007.</p> <p>In addition to this, an environmental accounting system was introduced in 2003 and is made public on our website.</p> <p>Our specific activities are as follows:</p> <ul style="list-style-type: none"> <li>• Effective use of sludge from the purification plants (agricultural soils)</li> <li>• Use of recycled materials (recycled crushed stone) in renovation work</li> </ul>

<p><b>3. Are effluent water and sludge from purification plants treated appropriately?</b></p> <ul style="list-style-type: none"> <li>• Are effluent water and sludge from purification plants treated and disposed of appropriately according to the applicable laws and regulations?</li> </ul> <p><b>Other</b></p> <p><b>1. Have you considered utilizing the system to outsource to third parties stipulated by the Waterworks Law? If yes, what businesses have you considered outsourcing?</b></p> <p><b>2. Have you considered widening and integrating business?</b></p>	<ul style="list-style-type: none"> <li>• Use of recycled products (paper, working clothes)</li> <li>• Efforts to reduce electricity</li> <li>• Execution of energy-saving construction</li> <li>• Efforts to reduce environmental-load substances</li> <li>• Adoption of low-emission vehicles</li> </ul> <p>They are treated and disposed of appropriately in conformance with the applicable laws and regulations such as the Water Pollution Control Law and Waste Disposal and Public Cleansing Law.</p> <p>Currently, some of our businesses are outsourced to ABC Prefectural Water Supply and X Municipal Water Supply.</p> <p>The purpose of the "Waterworks development plan of the eastern region of ABC prefecture," revised in March 2001, is to develop and maintain facilities according to reasonable planning, to operate and manage them in an efficient manner and to ensure a "safe and stable water supply," "waterworks resistant against disaster" and "efficient management" while trying to widen the areas of our water supply business based on the socioeconomic conditions and trends in water demand in the eastern region. The ABC River System Construction Project (1st phase of construction), which is now underway, is placed as a fundamental waterworks facility in this plan.</p> <p>Currently, we have just started investigation and study to widen our business area in collaboration with the member organizations.</p>
--	---

<p><b>3. What do you think about issues such as rate setting and management balance?</b></p>	<p>The issues of our water supply business are to enhance and stabilize the management foundation and to set the water rates to limit the burdens on the member organizations. The ABC River System Construction Project (1st phase of construction) is scheduled to be completed in 2007. Although redemption of the enterprise loan for construction cost peaked in 2003, it will remain high for the time being. Under these circumstances, burdens of the capital cost will continue to weigh heavily and will not decrease easily. The series of facilities built in the establishment project require renovation now, which raises a large capital demand.</p> <p>We are trying to restore our financial strength and to enhance and stabilize the management foundation, and are working on setting the water rates to limit the burdens on our member organizations through the following constant efforts:  Reducing the project cost by reviewing the renovation plan according to the medium- and long-term financial plan  Squeezing the capital cost itself by making continuous efforts such as accepting funds from government subsidies and the general account  Reducing the management cost through labor cost reduction and improving the efficiency of office work</p>
<p><b>4. What do you think about securing engineering staff and technology training?</b></p>	<p>Due to mass retirement of the engineering staff from the baby boom generation and curbing of the number of newly employed workers, the urgent task is to train workers who can adapt themselves to changes in the socioeconomic and business environments. Under these circumstances, a technical training course for young technical engineers started in 2004.</p>
<p><b>5. Are there any other issues?</b></p>	<p>Nothing in particular</p>