

Misogawa Dam and Reservoir in Four Seasons



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1. Japan Water Agency (JWA) (1)

[Activities of JWA]

JWA, based on the Basic Plan for Water Resources Development (Full Plan) for each of the seven river systems (Tone, Ara, Toyo, Kiso, Yodo, Yoshino and Chikugo River System) designated for water resources development, is construction dams, estuary barrages, facilities for lake and marsh development, and canals. In addition, JWA is operating, managing and reconstructing completed facilities.

JWA activities range widely from securing water for domestic, industrial and agricultural use to controlling floods, and maintaining and improving normal functions of the river water. The matters related to personnel and financial accounting of JWA are placed under the supervision of the Minister of Land, Infrastructure and Transport.

(More information is seen at JWA's Home Page. URL: http://www.water.go.jp)

1. Japan Water Agency (JWA) (2)



2. Brief Description of Misogawa Dam Project (1)

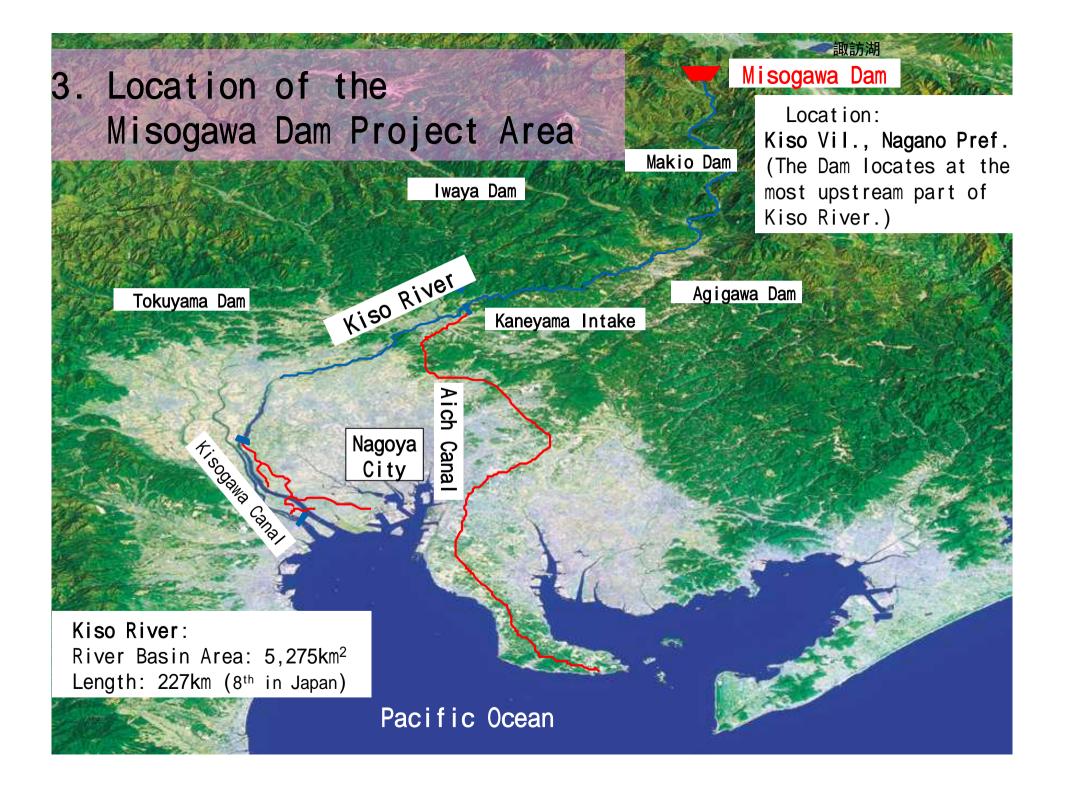
The Misogawa Dam Project is a multi-purpose dam project which is planed as a part of Kiso River Comprehensive Development Plan. Demand of municipal and industrial water in Nagoya city and surrounding area rapidly increased as a high economic growth in Japan had started after middle of 1950's. Concentration of population and property progressed in Kiso River basin urgently necessitated counter measures for flood.

Misogawa Dam, on the Kiso River in Kiso village, Nagano Prefecture, serves to control floodwaters and store surplus runoff, provide flows for the conservation of environmental flow in Kiso River and water for municipal and industrial use, and genrerate hydroelectric power. Misogawa Dam's reservoir has a total capacity of 61 million cubic meters. The reservoir, which is called the Okugiso Lake, also provide recreation, including canoeing, fishing, swimming.

2. Brief Description of Misogawa Dam Project (2)

Misogawa Dam is 140 meters high, with a crest length of 446.9 meters. Misogawa Dam is a slightly curved earth and rock fill type dam with 8.9 million cubic meters of soils and rocks. A Project Implementation Policy was issued to Water Resources Development Public Corporation (WARDEC^{*}) by Ministry of Construction (MoC) in 1981, and a Project Implementation Plan prepared by WARDEC was approved by MoC in 1982. Construction of the dam started in 1982 and ended 1993. After test filling of the reservoir had successfully completed, Misogawa Dam was taken over from construction office to operation and maintenance office in 1996.

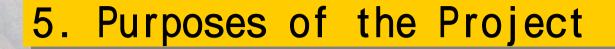
*) Water resources Development Public Corporation (WARDEC) was transformed into Japan Water Agency (JWA), Incorporated Administrative Agency in October 2003.





4. Progress of the Misogawa Dam project

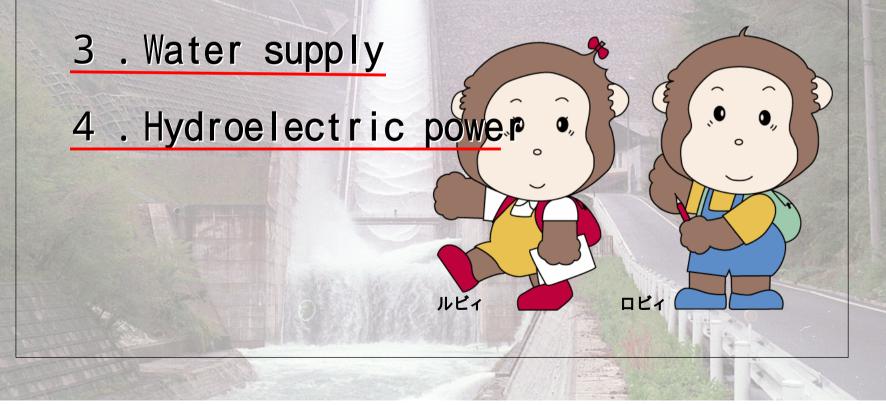
Basic Plan	1968 October, 18 th	Establishment of Basic Plan for Water Resources Development in the Kiso River Basin
Basic Study	1972 April, 1 st	Commencement of Basic Study for the Misogawa Dam Project (By Ministry of Construction (MoC))
Detailed Planning Study	1973 April, 1 st	Commencement of Detailed Planning Study (By Japan Water Agency(JWA), The project was transferred to Japan Water Agency.)
Construction Stage	1979 October, 22 nd	Direction to launch the Construction Stage the Project (By MoC)
	1993 June, 3 rd	Completion of Fill Construction of the Dam
	1996 August, 3 rd	Completion of Test Ponding
O&M Stage	1996 November, 30 th	Direction to launch the O&M Stage of the Project (By MoC)
	1996 December, 1 st	Commencement of O&M Stage of the Project



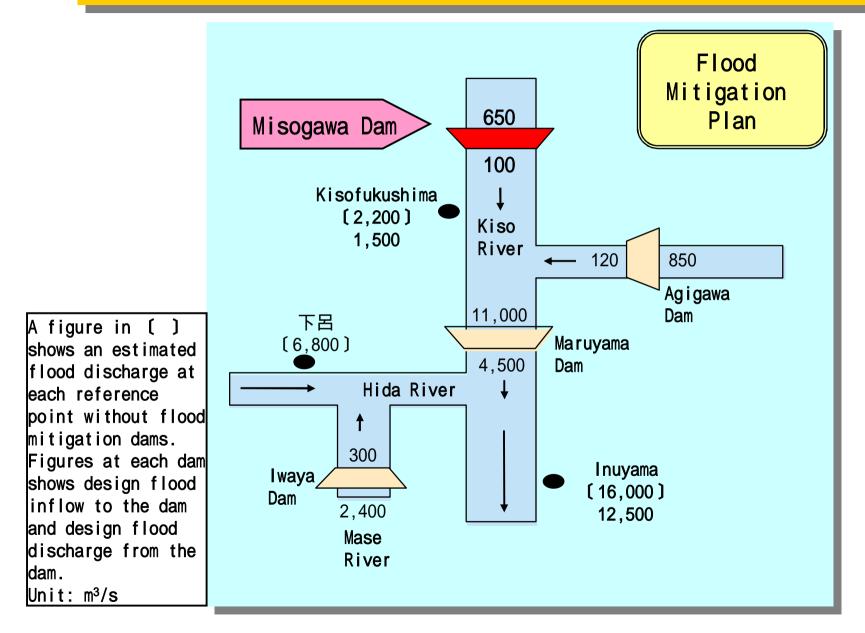
The Misogawa Dam Project serves four basic purposes.

1 . Flood mitigation

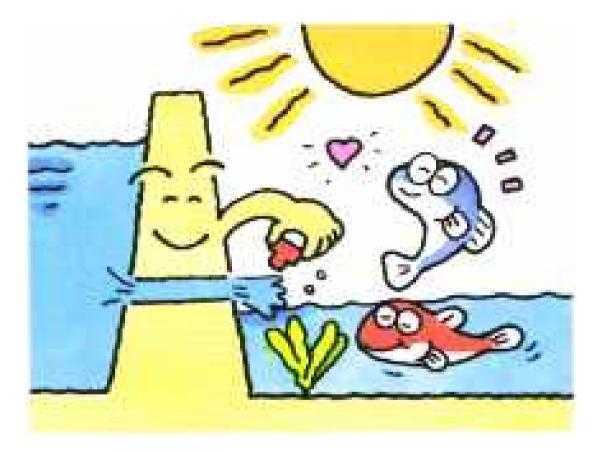
2. River environment conservation



5-1. Flood Mitigation



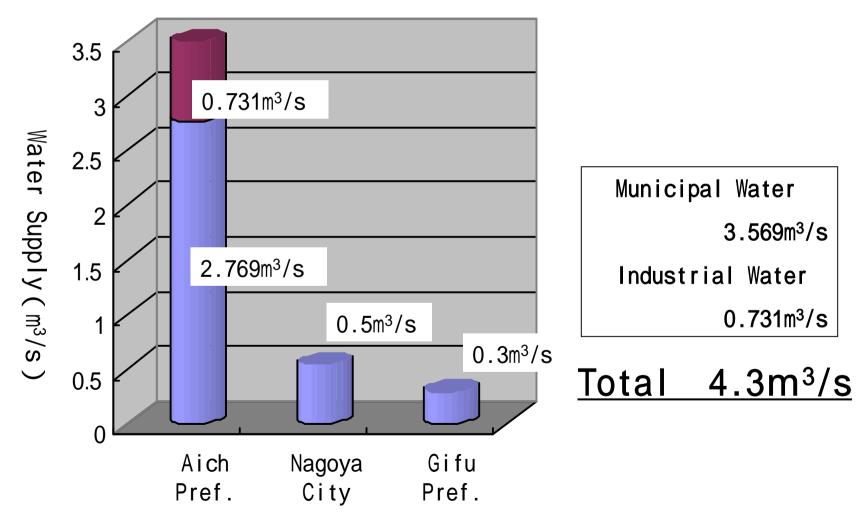
5-2. River Environment Conservation



Water for river environment conservation is supplied during drought.

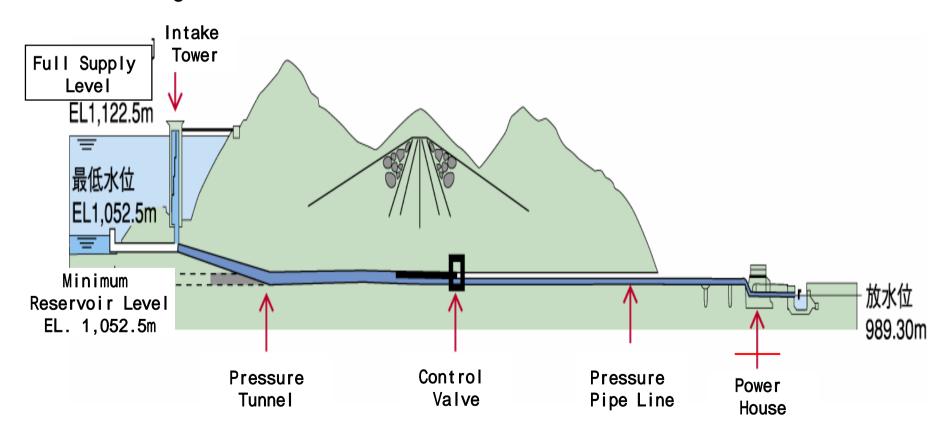
5-3. Water Supply

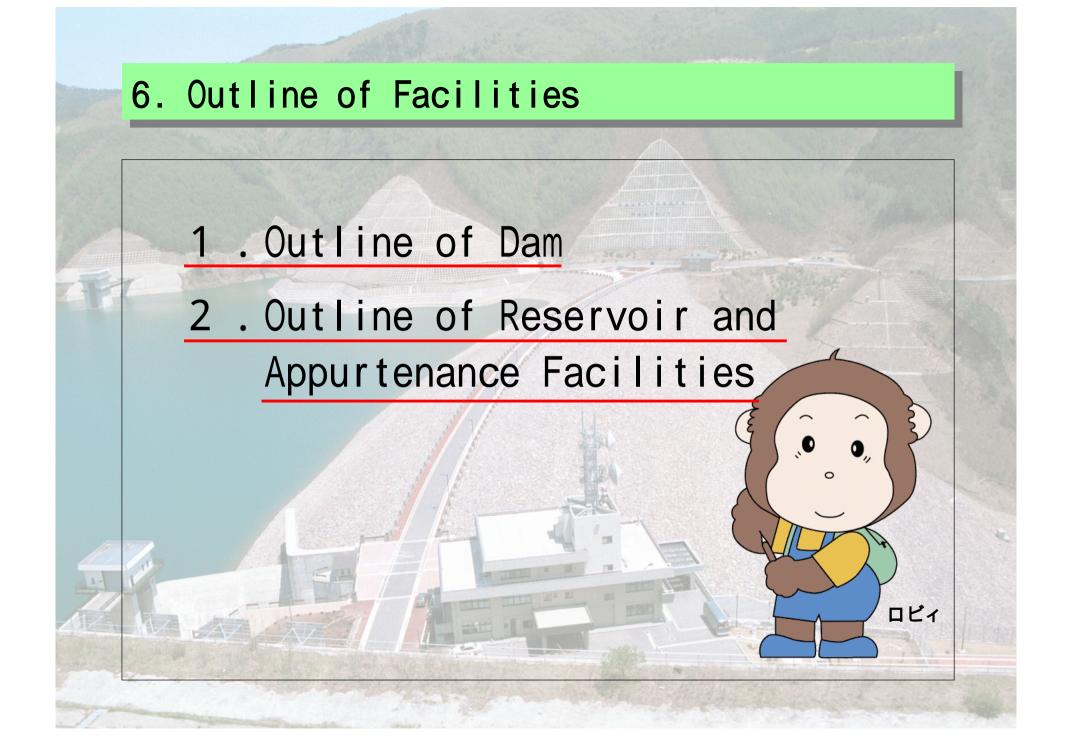
Water developed by the Misogawa Dam project is supplied to Aichi Pref., Nagoya City and Gifu Pref..



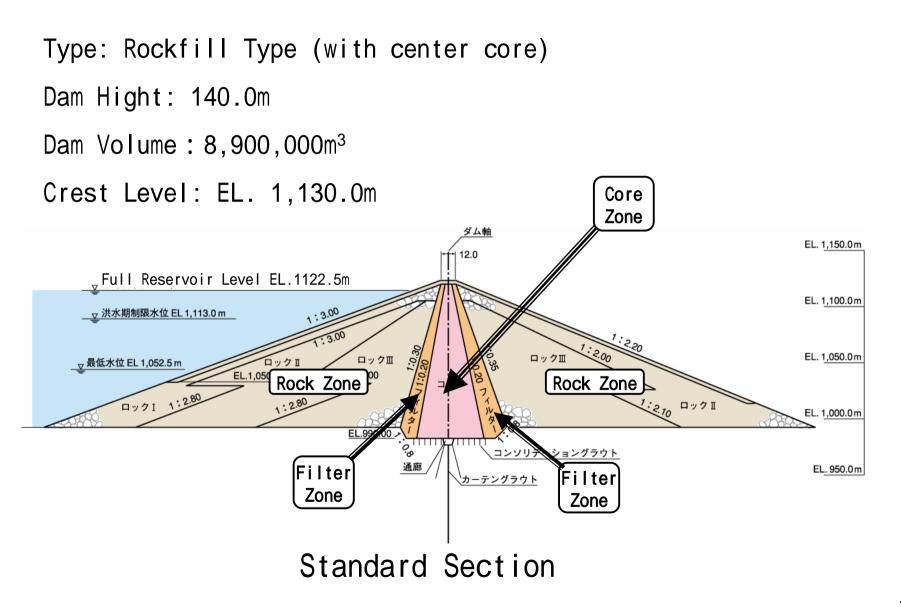
5-4. Hydroelectric Power

The hydraulic power of maximum 4,800kw (Qmax=4.7m3/s) is generated by using water discharge from the dam. The owner and operator of the hydroelectric power plant is an Agency of Nagano Pref..





6-1. Outline of Dam

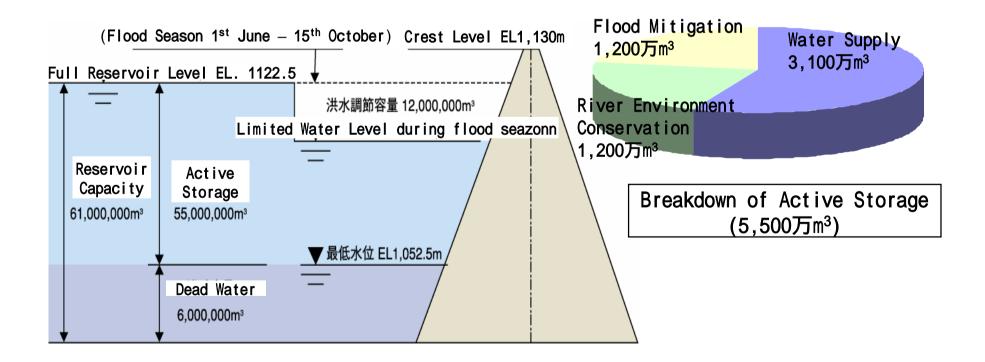


(Continue) Fill Construction

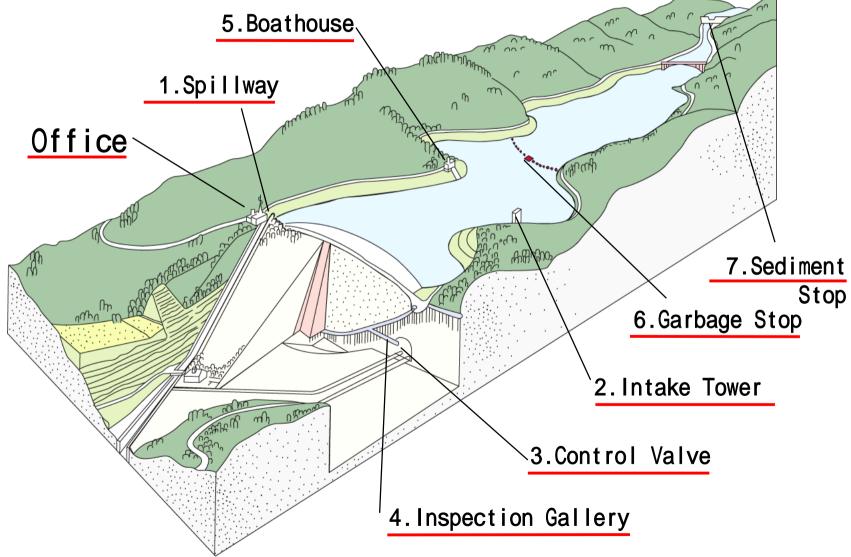


6-2. Outline of Reservoir

Catchment Area: 55.1km² Reservoir Capacity: 61,000,000m³ Active Storage: 55,000,000m³

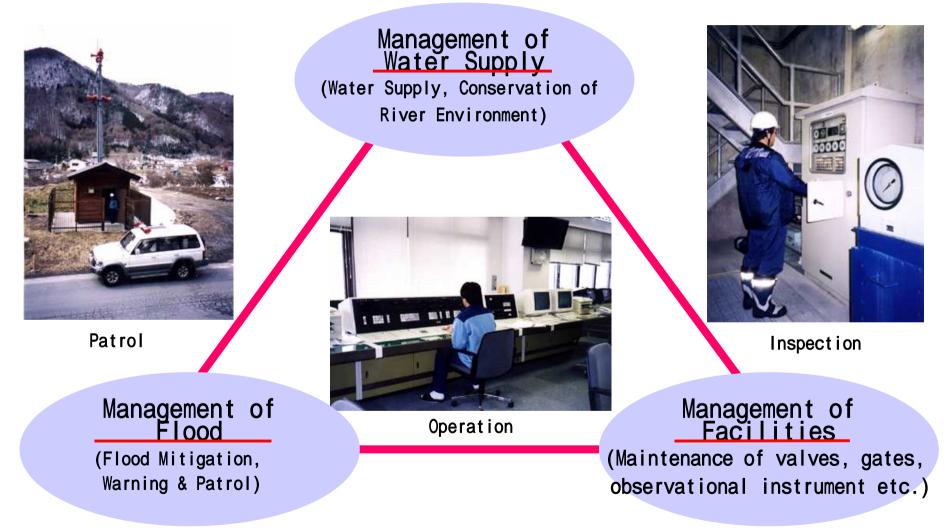


6-3. Appurtenance Facilities



7. O&M Office 's Duties

We are ready for emergency in 24 Hours & 365 Days



8. Conservation of the Natural Environment





"We provide stable supply of safe and high quality water at a reasonable price"

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