

Discussion of some fundamental issues on water ecological civilization construction

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Abstract: Some fundamental issues on water ecological civilization construction are discussed. Firstly, on the basis of a retrospective analysis of the concept evolution of ecological civilization and presentation of water ecological civilization, the authors make a definition of the concept and connotation of water ecological civilization from the angle of healthy social water cycle of the watershed social– economical–ecological complex system. Then, underlying problems that impede the development of water ecological civilization are analyzed. It is found that overlook of the fundamental feedback process between the watershed social economical system and the hydro ecological system, and isolated management of the watershed integrity are fundamental obstacles, which resulted in vague watershed integrated management, lack of interest stimulation and ecological compensation process, dislocation of science and technology supporting, and alienation of water ethics. Finally, five suggestions are made to promote the water ecological civilization.

Key words: water ecological civilization; watershed social–economical–ecological complex system; social water cycle