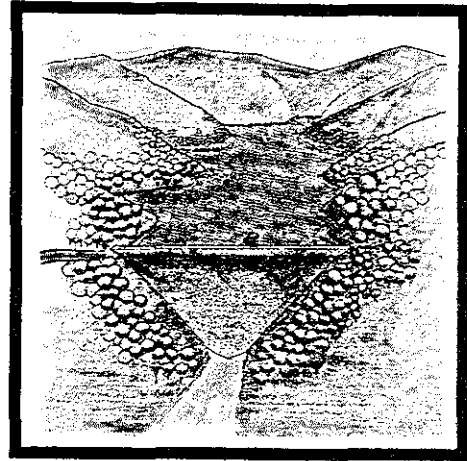


Spring Hollow Reservoir

COUNTY OF ROANOKE, VIRGINIA



Purpose

Roanoke County projects its water supply needs will increase to 17 million gallons per day by the year 2040. This project will pump water from the Roanoke River to a side storage reservoir for later withdrawal to supply the water needs during drought periods.

Description

The project consists of an intake and pumping station on the Roanoke River with multiple pumps capable of pumping up to 80 million gallons per day to fill the reservoir. Twin 42 inch diameter pipelines beneath the dam serve the dual purpose of both supply and withdrawal from the reservoir according to the operating rules established for the permitted withdrawal. The reservoir impounds 3.2 billion gallons which is created by a 243-foot high roller compacted concrete dam. The technical data on the various components of the project are described on the reserve side.

Status

The Prime Contract for construction of the Dam, Reservoir, and Intake-Pump Station was awarded on 21 November 1991, to PCL Civil Constructors of Tempe, Arizona for a low bid of \$20.3 million. PCL has, under the prime contract, 930 days or until 7 June, 1994 to complete the contract. The current work effort is construction of the RCC Dam. The contractor began placing RCC in late March 1993 and anticipates completing RCC placement this summer. The intake and pumping station is approximately 50% complete with the fish screens installed and structural construction completed to the piping level. (5/3/93)