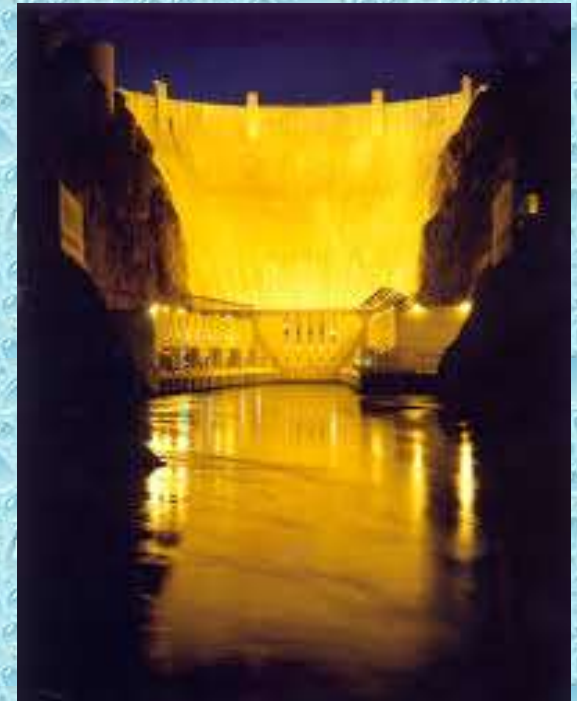


The Hoover Dam



Herbert Hoover



Location:

USA

on Colorado River, between Arizona and Nevada

coordinates: $36^{\circ} 0' 56''$ N, $114^{\circ} 44' 16''$ W



Main facts

Construction material:reinforced concrete

type:arch-gravity

total height:221.4 meters

length:379 meters

thickness of the crest:14 meters

thickness of the bottom:200 meters

weight: 6.6 milion tons

function: power generation (about 4,2 bilion kWh per year)



Construction of the dam

contractor: six different construction companies

price: 49 million dollars

construction time: 1931.-1936.

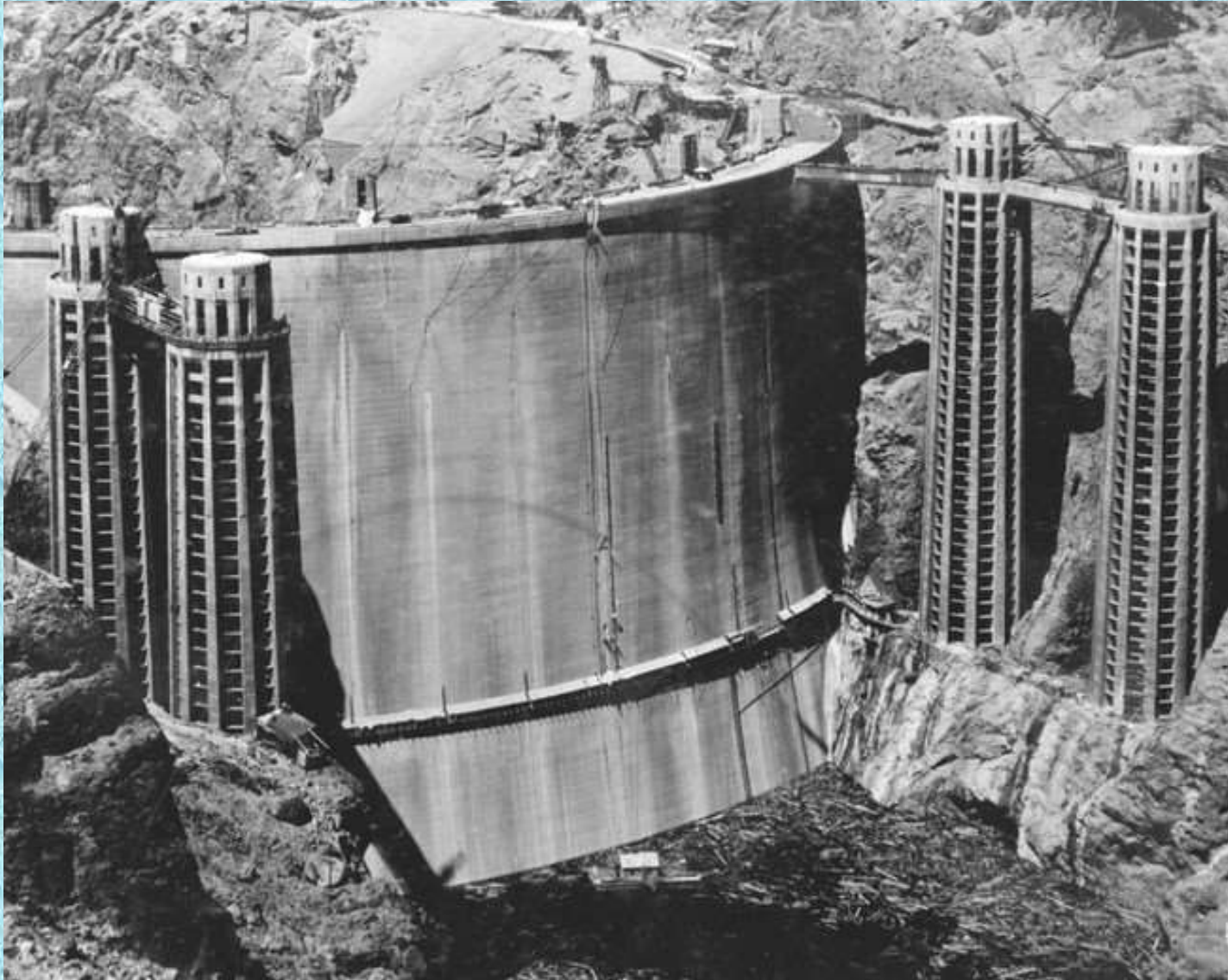
total number of workers: about 21000



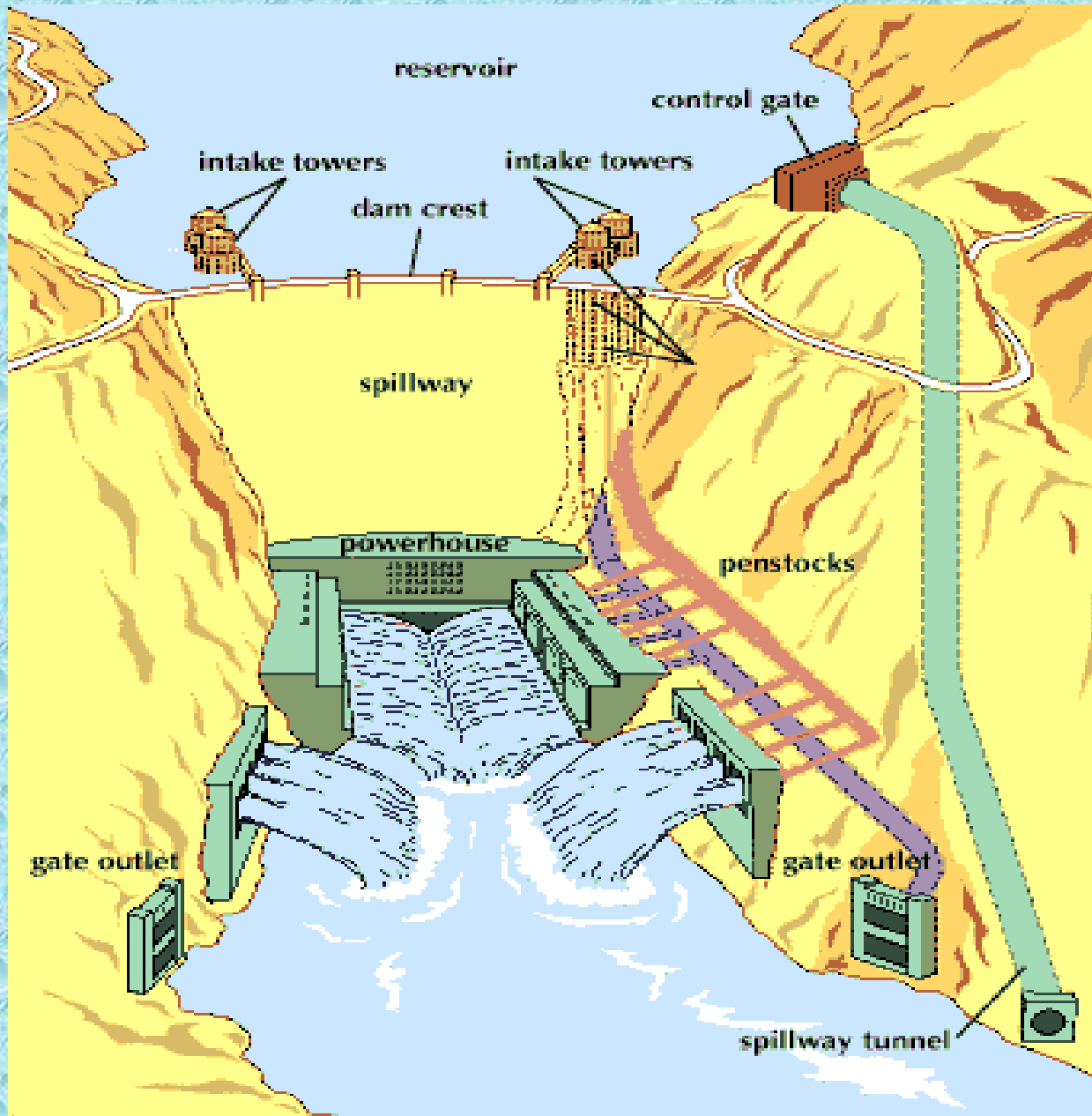


TRAIN AT CONCRETE PLANT

the bottom of the dam about few hours before it will be flooded



How it works



Interior of the dam



Accumulation lake (Mead)

surface: 640 km^2

volume: 35.200 km^3

maximal depth: 180 meters



Thank you for attention

