

**„Moszczenica” Mine** - mining plant operating in the Moszczenica district of Jastrzębie-Zdrój.

#### HISTORY

The first works on the construction of the new "Moszczenica" mine began in the fourth quarter of 1955. The official opening ceremony of the mine takes place on December 4, 1965. In 1994 the "Jastrzębie" and "Moszczenica" mines were merged. In 1999, the liquidation of the "Moszczenica" plant begins, and on 28.07.2000 the mining operations were definitively terminated. At the end of March 2001, the mine is sold to Spółka Restrukturyzacji Kopalń SA in Bytom. Names used during the existence of the mine were: Coal Mine "Jastrzębie Moszczenica under construction", "Moszczenica", "Jas Mos" plant "Moszczenica", "Moszczenica in total liquidation".

#### GEOLOGY

In the geological structure Quaternary, Tertiary and Carboniferous deposits are involved. The plant lies in the area of the "Jastrzębie" saddle and is adjacent to the "Orłowo" overlap from the east. Carboniferous ceiling exhibits large leveling, from -500 m in the east, -250 m in the south, to +197 m in the west, creating a series of elevations and gutters. In the geological structure, the elements of folded tectonics, with the course of the NNE - SSW, that is parallel to the "Orłowo" overlap, and the course of the WNW-ESE (Olziańskie saddle) predominate. In addition, the deposit is cut by numerous faults with drops of up to 40 m. Carboniferous layers show a variable dip of 14-50°. Tectonic faults has direction N-S and W-E.

#### MINING

In the mining area "Moszczenica", seams 415 / 1-2, 416/1, 416/2, 416/3, 417/1, 418, 502/1, 505/1, 505 / 1-2, 510/1, 510 / 1-2 were exploited in the depth zone from 110 to 480 m. The thickness of the seams and extracted coal varied from 1 to 8 m.

#### SINKHOLE THREAT

There was no shallow exploitation of hard coal in the mining area of the mine, which could cause the occurrence of sinkhole hazards.