

FINAL REPORT

**Outbursting
Scoping Study**

**C4034
March 1996**

9.3 GAS FLOW INDEX - G

This is a commonly used method in Russia, Ukraine, Czech Republic and other eastern European countries. This method is based upon measurement of gas flow from boreholes drilled into the face. A 43 mm diameter, 3 m deep borehole is drilled and the first 2.5 m length is sealed. Gas emission from the hole in the last 0.5 m is measured within 2 min after drilling the hole. The criterion depends upon the volatile matter of coal and is given below.

Volatile matter in coal	Critical flow rate, G l/min
<35 - 30	>5
30 - 25	≥4.5
25 - 15	≥4.0
15 - 5	≥5.0

Together with the above indices, the fissuration class (class V) is also taken into account.