

ABSTRACT

PT. Mitra Maju Gemilang (PT. MMG) is a company engaged in mining contractors. In the activity, PT. Mitra Maju Gemilang monitors the quality of coal to maintain the quality of coal in accordance with the standards set by the company. Supervision of changes in coal quality is carried out from pit to ROM Stockpile. Changes in coal quality can be met based on the results of coal sampling. Coal sampling is carried out in the pit and when coal reaches the ROM Stockpile.

Based on the results of coal quality analysis, there was a change in the quality of coal from the pit to the ROM Stockpile :

- a. The total moisture content (ar) of pit 7 at pit is 15.43% and at ROM Stockpile rose to 17.12%. While the total moisture content (ar) of pit 13 east, at pit is 13.48% and at ROM Stockpile is 16.22%.*
- b. The ash content (adb) pit 7 at pit is 3.39% and at ROM Stockpile increased to 6.16%. While the ash content pit 13 east at pit is 2.70% and at ROM Stockpile increased to 5.63%.*
- c. The calorific value of coal (ar) pit 7 at pit is 5,987 Kcal / kg and at ROM Stockpile dropped to 5,759 Kcal / kg. While the calorific value (ar) for pit 13 east at pit is 6,303 Kcal / kg and at ROM Stockpile dropped to 5,998 Kcal / kg.*

Therefore, it is necessary to conduct a technical evaluation of changes in coal quality from the pit to the ROM Stockpile so that the coal quality standards are maintained.

The cause of the change in the total moisture content was due to the exposed coal contaminated with rainwater, the run off water in the coal pile when loaded and the water that stagnated on the ground floor of ROM Stockpile. While the change in the ash content was due to that during the cleaning of the roof and floor parts were not clean enough, parting was included, dust flew in the pit area and hauling road to ROM Stockpile.

From the results of observations it is shown that, it is necessary to make efforts so that changes in the quality of coal can be minimized, including that the coal that has been exposed is directly loaded, coal that is flooded by rain water is pumped first, making a trench above the loading point. To minimize the ash content, which is cleaner when cleaning the roof part, watering at the pit area and hauling road from pit to ROM Stockpile.

Keywords: supervision, quality standard, quality changes, sampling, pit, ROM Stockpile.