



DREDGING

PEABODY ENERGY

PROJECT: Coppabella Coal Mine - Dredge water return dam

SCOPE: We were engaged to remove approximately 100,000m³ of product and return it back into the co-disposal. The dam was at capacity, and the process plant water was being contaminated by the silts and fines contained in the dam.

CHALLENGES: As the dam was at capacity, we were initially challenged by the deployment of the dredge. With a long arm excavator we were able to dig a hole that allowed the dredge to float.

ACHIEVEMENTS: Not long into the project we began to notice the materials being pumped to the co-disposal were returning to dam and a rate of 50% or more. Site were aware and had already begun the development of new co-disposal cell. Once we pumped to the new cell the return rate was less than 2%

The whole project was definitely a success, keeping the CHPP in clean water for processing.



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