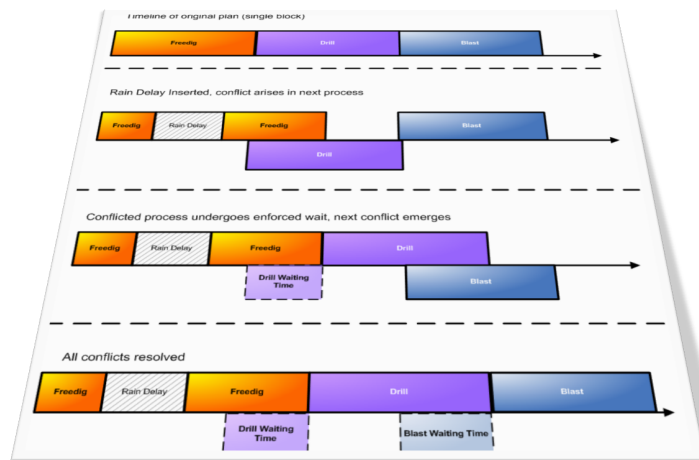


2012



Theory of Constraints Applied to Strip Mining Operations



The “Theory of Constraints” (TOC) was developed by Dr. Goldratt in the 1980s and ‘90s, and has attracted many large and small companies who realised substantial improvements in their operations.

Much of the “improvement mindset” reflected the growth of the body of TOC knowledge which was previously segmented by different business areas.

The fundamental principles of Theory of Constraints are embodied in the “five focussing steps” which revolve around managing physical machinery (rarely) and non-physical policies and practices (mostly). LC has conducted in-depth research into applying TOC particularly to strip mining operations. By focussing the attention away from utilisation of resources to the material flow through the system, a number of areas can be improved. Possible benefits include increased system throughput (increased profits), decrease of inventory (better cashflow), more robust planning, and better productivity risk analysis.

Our original approach allows us to properly analyse multi-pit, multi-seam, multi-method mines with respect to TOC, and focusses on improvements for the whole of the mine, not just individual sections. Our strategy is to provide directions to incremental improvements, applying changes and realising benefits in small easy steps.

LC’s consulting expertise can help to identify the actual (not imagined) bottlenecks in your mining activities and provide strategies to best guide your process and maximise efficiencies from start to finish.

Service
Brochure

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