



Moderate complexity, 6 weeks work

Coal Handling Plant





Coal Handling Plant

- Intent was for user to be able to test operational strategies for run-of-mine.
- Specifically:
 - output targets for the plant could be changed.
 - user could test achievement of targets if:
 - priority for the two overland conveyors (OLC) was higher than priority for trains; or
 - priority for trains was higher than priority for OLC.
 - user could turn on/off each OLC by day of the week.

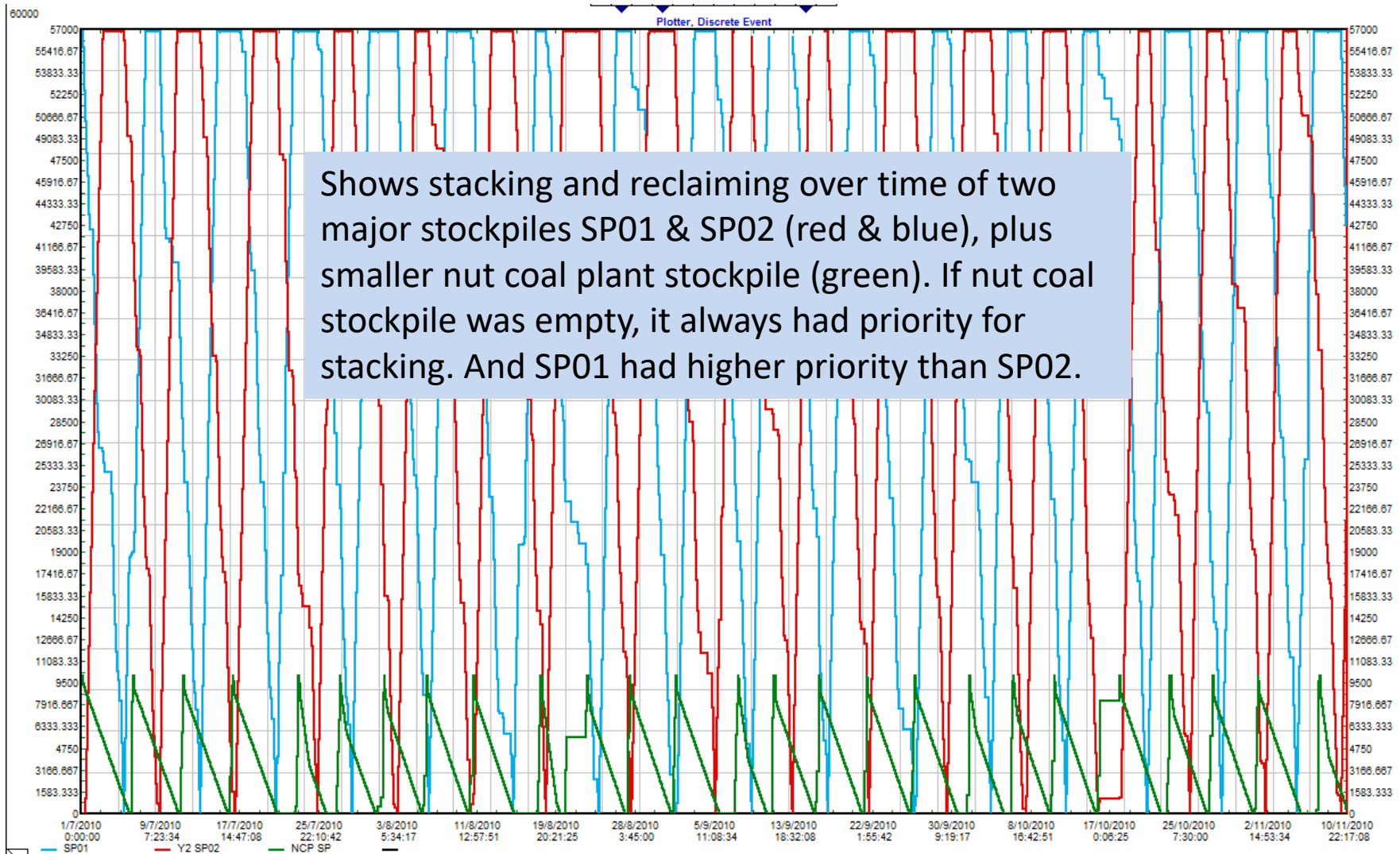


Method & Assumptions

- Modelled scheduled maintenance, breakdowns & time to repair plus weather impacts.
- Stockpile for nut coal had building priority over two much larger main stockpiles. And one of larger stockpiles had priority over the other.
- Modelled delays for movement of equipment such as stacker-reclaimers.



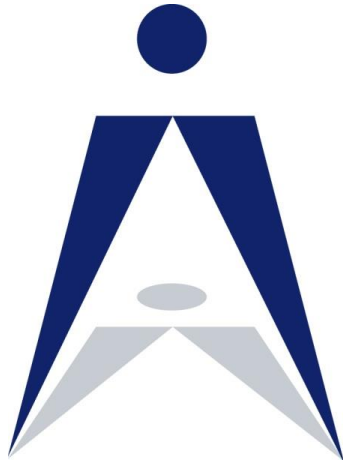
Stockpiles





So what?

- All analysis conducted by company users.
- Users could use model to test achievement of targets in different scenarios for plant operations such as:
 - running OLC on weekends.
 - giving priority to trains over OLC and vice versa.
- Results & flow-down from final analysis unknown.



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