Simulation - Mixing Rows Discussion

9:00AM Tuesday, October 11, 2011

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* **Problem:** Store in rules will choose to mix rows in C-High and C-Low before sending to an empty row in A-Area. On it's face, this seems like undesired functionality.

* According to the simulation, it is better to keep A-Area clear than to avoid mixing rows.
* If we are consuming parts in accordance with the rules, mixed rows will clear themselves quickly.
* ***Consensus*** *was reached that there is no need to change the store in rules to avoid mixing rows.*

* **Important Note:** The only times the simulation model locked up are when A-Area is not kept clear and when the press scheduler tries to maximize press efficiency by creating parts that are not needed.
* We also identified a missed requirement between store in and empty manager.
* If there is no space available for a particular part in its assigned storage area, the store in manager will choose to store carriers with parts in rows that contain empty carriers.
* *There is no corresponding store out mechanism that will empty that row before those parts are due to arrive. This could result in a blocking situation at the entry to the effected storage area.*
* We determined that while this is an issue that requires further investigation, the current implementation of empty manager should vastly reduce the likelihood of this occurring.