

ULTRAMAX[®] Application Profile

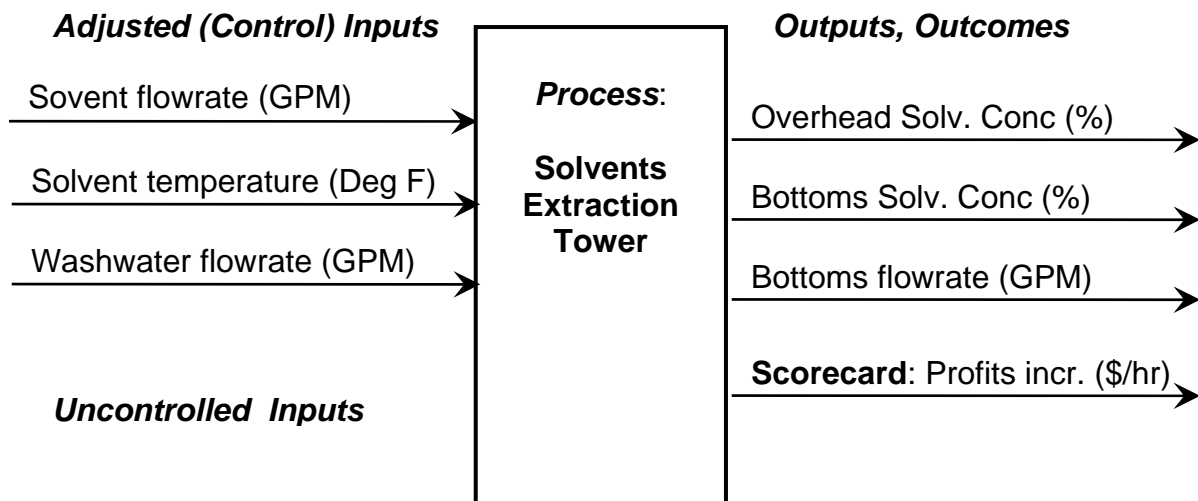
Chemicals: Solvents Extraction Tower

Description of Process: Product is subjected to solvent and washwater separating into overhead and bottoms streams.

Application Goal: To minimize cost of solvent used and maintain product quality.

Results Summary: Solvent usage was reduced by 7%, a savings of \$20,000 per year. Solvent recycle was reduced resulting in reduced steam requirements worth \$50,000 per year providing a total savings of \$70,000 per year per tower.

DECISION INPUT/OUTPUT DIAGRAM



Optimizing the Scorecard implies satisfying constraints (not shown)