

SUMMARY OF ADVANTAGES / DISADVANTAGES OF CAR DUMPERS

TURNOVER OR SIDE DUMPER**ADVANTAGES**

Lesser Excavation Depth
 Less Risk During Excavation
 May inherently include a truck dump

DISADVANTAGES

Higher HP Requirements
 Higher Installation Costs
 Higher Equipment Costs
 Need a Counterweight of ~110 ton
 Locked In - Cannot Benefit from Rotary Coupled Cars
 Must Always Uncouple Cars
 More Engrg. Time
 Lack Of Proven Dust Control
 Requires Hydraulic Clamp - This May Not Be a Disadvantage

CONVENTIONAL ROTARY DUMPER**ADVANTAGES**

Accommodate Unit Train Rotary Coupled Cars
 Proven Technology
 Proven Baghouse Dust Control
 Complete unloading of cars
 Suitable for train positioner freeing locomotive
 Cars can hold more product

DISADVANTAGES

None

RAPID DISCHARGE BOTTOM DUMP CARS**ADVANTAGES**

Minimal Equipment Necessary
 Proven Technology
 Cycle Time

DISADVANTAGES

Requires Leasing or Buying special cars
 Cars
 Difficult to Incorporate a Hammermill
 Potential for sticking of coal
 Dust
 More expensive railcar
 Higher maintenance on railcar
 More civil work

