

P1579

Macawber Installation Case Study:

Ground Rice Hulls - Pichit Thailand

IN BRIFF

The customer purchased four x 12/12 Denseveyor® systems to replace existing large blow pot type transporters that were not operating. The systems were used for handling the fuel supply material from the delivery dump locations to the customer's boiler feed bin.

MATERIAL CHARACTERISTICS

Material Ground Rice Hulls

Bulk Density Aerated 240 kg/m3 (15 lb./ft3) Size 100% < 1mm, 50% < 500μ, 5% < 100μ

Temperature Ambient Moisture Content 0-15%

Condition Free flowing, moderately abrasive

SYSTEM OBJECTIVES

- 1. Reliable consistent conveying
- 2. Reduce air consumption from existing systems
- 3. Reduce pipe and valve wear
- 4. Operate with 1 psig vacuum in baghouse

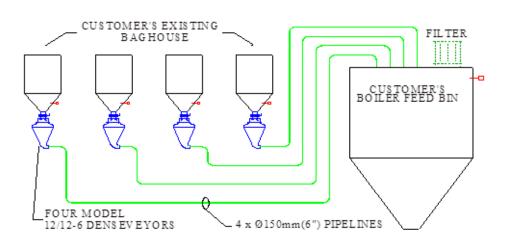
SYSTEM PERFORMANCE

Transfer Capacity 10.2 Mt/h each system

Conveying Distance 40m (130 ft)
Reception Points One per system

IMPROVEMENTS ACHIEVED

- 1. System operation is stable, reliable and efficient
- 2. System capacity exceeded specified rates by average of 6%
- 3. Air consumption was 9 % below MEI quoted average. This, in turn, was 20% below the existing system air consumption





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