

Automatic Pollution Control Using Bulk Bags

PROBLEM: EPA standards required this company to feed Enviroblend® into their dust collection system at a precisely controlled rate of 30 pounds per hour, so the emissions would be at an acceptable level. They also required a digital verification that the material was accurately discharging.

SOLUTION: Hapman used a Bulk Bag Unloader with bag agitation to discharge the material into an PosiPortion® Feeder. The Feeder meter-fed the Enviroblend into a Eductor. A 4 HP Roton Blower then blew the material through 60 feet of 2 inch diameter thin walled tube, two 90° elbows, four 45° elbows and one 30° elbow, into the bag house. The use of load cells and an IQ Plus® 510 Batch Indicator verified that the feeder was constantly discharging the material. The digital readout provided up to the second information and a low level sensor in the Feeder would alarm them when the bag was empty.

RESULT: This system provided the customer with a very accurate automated system. The only manpower required was the replacement of the Bulk Bag every 2½ days.