



APPLICATION: WOOD DUST / PALLET MAUFACTURER

PROJECT TYPE: NEW INSTALLATION

PRODUCT: MFCP, 30 HP (480/60/3)

DAMPER STYLE: PNEUMATIC BLAST GATE, 24VDC - QTY 6 PROVIDED

OPTIONS PROVIDED: SINGLE ZONE EMN-LV (LOW VOLTAGE) AND EMN-P (PNEUMATIC) DISTRIBUTION NETWORK WITH CAPABILITY TO HANDLE UP-TO 8 DAMPERS AND SENSORS, DIFFERENTIAL PRESSURE BASED PULSE CLEANING CONTROL, INTEGRATION WITH NEW TRANSFER BLOWER AND HOG, COMPLETE SEQUENCE OF OPERATION WITH ALL DUST COLLECTOR AUXILLARY DEVICES, DIRTY FILTER ALARM, AND CLEAN SWEEP CYCLE.

PROJECT NOTES: A NEW CENTRAL DUST COLLECTION SYSTEM WAS INSTALLED TO COLLECT WOOD DUST AT A PALLET MANUFACTURING PLANT. ALL DUST COLLECTED IS TRANSFERED FROM THE BAGHOUSE TO A CYCLONE SEVERAL HUNDRED FEET AWAY. THE TRANSFER LINE PICKS UP WOOD CHIPS FROM A HOG THAT IS INTERLOCKED INTO THE CONTROL SYSTEM. AUTOMATIC BLAST GATES WITH SENSORS AUTOMATICALLY OPEN/CLOSE BASED ON REAL TIME DEMAND WHILE THE DUST COLLECTOR FAN AUTOMATICALLY SPEEDS UP AND SLOWS DOWN AS NEEDED. BOSS PRODUCTS PROVIDED A COMPLETE ENERGY ANALYSIS TO THE LOCAL POWER UTILITY AND AN ENERGY EFFICIENCY REBATE WAS OBTAINED TO SIGNIFIGANTLY HELP FUND THIS PROJECT.

ENERGY SAVINGS: 31,635 KWH SAVED PER YEAR (1- 8 HR SHIFT PER DAY / 5 DAYS PER WEEK) / \$3,163.50 SAVED PER YEAR @ \$0.10 PER KWH

CUSTOMER: AVAILABLE ON REQUEST

LOCATION: MONTANA

INSTALLATION DATE: NOVEMBER 2012

CASE STUDY ID #: BP090413-N1-EB