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All leaks in the tops of the bins should be repaired. A fan should be added to the Flex-Kleen dust collector so that the air is vented under negative pressure through that collector. That system must be studied to ensure that there is adequate cloth area in the Flex-Kleen collector to permit negative pressure to be maintained in the bin.

The piping to the bins is connected at joints by split sleeves that leak to be homemade. These joints leak dust into the plant. All split sleeve collectors should be replaced with leaktight, quick-disconnect couplings that are standard in pneumatic conveying work.

The weigh belt under the bins does not seem to serve any useful purpose. Fiber is weighed both on this belt and in the receiver. The receiver weighing should be made fool-proof and the weigh belt removed. The weigh belt is difficult to enclose and generates dust below the bin.

The rotary valve leaks, and the pipe under positive pressure blows dust into the enclosure under the bin. A study should be made to see whether the conveying system from the bin to the receiver should be made negative. If it can't, the conveying system from the bin to the receiver should be made completely leaktight.

When we were there, the Flex-Kleen collectors above the receiver were leaking probably due to holes in the bags. The dust was blowing into the plant as fiber was being transported. The bags in the Flex-Kleen collector must be kept in perfect repair. If the system is not made negative, then a fan should be installed so as to keep at least the receiver under negative pressure.

The dust control connection on the mixer itself is poor. Settling chambers should be installed ahead of the dust connection so that it does not take away too much material when it is adequately venting the mixer.

The weighing process should be improved to the point where a man does not have to add asbestos fiber by hand into the mixer. Until that is done, the open bags of fiber should be installed in an opening hood very similar to those designed for Johns-Manville plants. Any scooping of fiber should be done under that hood. The hood must, of course, be adequately vented so that 100 to 200 feet per minute face velocity is maintained in the face of the hood.

Empty bags of fiber should be changed from the hood into a clean bag much as it is done in Johns-Manville plants.