HARVARD UNIVERSITY
SCHOOL OF PUBLIC HEALTH

DEPARTMENT OF PHYSIOLOGY

665 HUNTINGTON AVENUE
BOSTON, MASSACHUSETTS 02115

GV

May 2, 1975

PLAINTIFF'S EXHIBIT
BIR-163

Mr. John P. Koval
Superintendent
Norwood Roofing Plant
Bird & Son
East Walpole, MA. 02032

Dear Mr. Koval:

I enclose the results of the limited dust sampling and the sound level measurements. The values near the shingle cutter are high but no-one seems to work there. Packaging is also noisy. You may want to consider using some deadening device or padding. The rock driers are noisy but very few men are exposed. It was suggested you might put some sound deadening material on the worker's booth to reduce the noise level even more. Also you could look into the possibility of a less noisy vibrator in the sifting area which we believe was responsible for the "buzz".

Dust levels April 9, 1975

Person	Job	Dust level
Straus	Machine operator	0.90mg/M^3
Cournoyer	Base coating	0.64mg/M^3
Stahnke	Surfacing operator	0.84mg/M^3

All had less than 1% Silica.

The threshold limit value (ACG IH - 1974) is:

$$\frac{10 mg/M^3}{\% \text{ Silica} + 2}$$ - For this dust then TLV would be 5 to 3 mg/M^3.

The above measurements represent a rather brief time interval 1 to 3 hours and are also rather few in number. They do indicate that the dust exposures were not excessive.