Inter-organization Correspondence B.F.Goodrich

TO: Dr. R. H. Wilson	FIELD POINT OR AKRON DEPARTMENT & BLDG. NO.: Akron	YOUR LETTER: Mr. W. E. McCormick
FROM: D. L. Dowell	FIELD POINT OR AKRON DEPARTMENT & BLDG. NO.: Cleveland	DATE THIS LETTER: 11-10-72

SUBJECT: Environmental Control at Pedricktown

~~Mr. J. W. Miller~~
~~Please return. RHW. 11-14-72~~

In response to our telephone conversation of November 3, 1972, concerning the Pedricktown Plant Environmental Control Audit conducted by Mr. R. W. Modrell on July 19-20, 1972, I am submitting the following comments and attachments for your review.

Mr. J. M. Smith, Plant Engineer at Pedricktown, was contacted immediately after our conversation and requested to submit a formal report of action taken, action to be taken, and a timetable for completion of compliance with the recommendations submitted by Mr. Modrell. Attached you will note Mr. Smith's reply to the recommendations following the order of Mr. Modrell's report. Please refer to Mr. Smith's November 6, 1972 letter to me, "Progress Report of Inter-Plant Evaluation of Contaminant Findings". Also attached is a copy of Mr. Modrell's report on his visit to the Pedricktown Plant July 19-20, 1972 for reference.

It appears that Pedricktown Plant personnel are taking appropriate action in complying with the recommendations; however, delivery time of equipment is the only hold-up at the present time.

Please feel free to contact me for further information concerning this matter.

Dennie L. Dowell
Dennie L. Dowell /kjm

DLD:kjm
Attachments

cc: J. L. Nelson
G. Pow - H. Waltemate
P. D. Terry - E. W. Harrington
A. R. Webber - J. M. Smith

2617S001

BFG46706

TO	FIELD POINT OR AKRON DEPARTMENT & BLDG. NO.	DATE YOUR LETTER
D. L. Dowell	Cleveland	
FROM	**FIELD POINT OR AKRON DEPARTMENT & BLDG. NO.**	**DATE THIS LETTER**
J. M. Smith	Pedricktown	11-6-72

SUBJECT

PROGRESS REPORT ON INTER-PLANT EVALUATION OF CONTAMINANT FINDINGS

Based on the results of a continued evaluation conducted on July 19-20, 1972 by the Corporate Group, the following is a progress report on the results and recommendations of this visit and our own findings.

The areas that were given consideration were vinyl chloride concentrations, atmospheric lead dust, and noise pollution. Directly related to the first two of these is air pollution which we are continuously working on.

I. Vinyl Chloride

We are well within the limits of maximum allowable concentration of vinyl chloride in all areas. However, we will continuously monitor and control any unwarranted exceeding of the allowable limits and/or whatever we consider unsafe.

II. Atmospheric Lead

We have attacked this problem on an immediate accomplishment basis, an iterim basis, and that which we could do in the long range.

A. Short Term Basis

Our approach was to tighten up and reseal all areas where dust or fumes were escaping; taking whatever immediate steps we could to improve ventilation systems; and generally improve housekeeping. This consisted of, but not limited to the following:

1. First Floor

a. Tightening covers on weigh belt feeders.
b. Collecting materials into a semi-closed system where they could not readily be contained - Example - Installing a hopper and duct which dumps into a leverpak on the underside of the weigh belt feeder.
c. Judiciously using polyethylene, sheet metal, and cardboard on an iterim basis to enclose areas that were difficult to contain, and to improve the efficiency of hoods.

II. Atmospheric Lead (Continued)

A. Short Term Basis (Continued)

2. First, Second and Third Floors

a. Repaired or replaced all flexible connections and flanges where powders are being handled.
b. In addition to normal housekeeping efforts whenever extra manpower was available, we used them to thoroughly clean all areas such as beams, ledges, and equipment where dust could accumulate. Example - When 6" line was down for three days for motor repair, this crew was used to do housekeeping.
c. Connections were cut into existing ventilating ducts so that they could be cleaned more frequently and blown out with air where materials could accumulate and plug them.

B. Interim Basis

1. GPO 14075 ($1,437) is being implemented to fabricate and install stainless steel covers on the inclined conveyors from the Farrel to the mill on the first floor. These should contain vapors that are coming off into the room and convey them up and out the mill hood vent. This should be completed the week of November 20.

2. EA 7566 ($4,480) is being implemented to install booster fans in the ductwork that picks up fumes from the Farrel discharge on the first floor. The fans have been received and transition pieces are being fabricated. This should be completed late November.

C. Long Term Basis

1. We will continue to monitor efficiency of collection, housekeeping in general, and overall affects on personnel.

2. EA 7578 ($49,475) is being implemented to improve the overall ventilation and collecting efficiency in the building. Specifically we plan to do the following:

a. Put the weigh booths (first floor) and carbon black room (2nd floor) on an independent ventilating and collection system.
b. Doing the above will automatically improve the pick up and collection efficiency of the weigh belts, Henschels, Farrels and mills because we now have only one system for all the above.
c. Installing primary collectors to reclaim powders that are being lost due to dusting back for processing. The long delivery items are on order and systems are being designed. If deliveries are maintained these systems should be operative early March.

III. Noise Pollution

A. Compound Building 1st Floor

We have realigned the drive train on the 60" mill. Rechecking the area on November 3 indicated readings were on the range of 87 to 88 db.

B. Second Floor of Polymerization Building

The recovery compressor area of this building continues to be a problem area as to the best method of solution. We do not have any technicians or mechanics spending more than four hours in this area.

C. In the Dryer Building the exhaust from the air cylinder has been run ~~out~~side.

D. The polymerization area of the Mass Building has been designated as a noise hazard and ear protection is required. There is a definite relative noise level associated with the three steam-water mixers varying from 90 to 105 dbs. We have interchanged units without satisfactory results. We installed a steam pressure reducing valve on one unit but this did not significantly reduce the noise. We now have some high density insulation and a leaded vinyl covering on order to determine if this will solve the problem.

IV. Personnel

We have been analyzing urine and blood samples on a weekly basis on people exposed to atmospheric lead. These indicate all people are in acceptable limits except one. That one is on high side of normal. W. McCormick wants a mid November check on him.

Audiometer tests are being administered to all BFG employees on a 6-months basis if in a noise hazard area and all others yearly.

We have been working with Bill McCormick on BFG policy with respect to Allied Maintenance personnel. Allied has been informed that they should be giving their employees the same tests we require. The area that is still in doubt: can Allied use or have access to our equipment - audiometer, etc. or do we have to have them duplicate this expensive equipment and charge us for it?

J. M. Smith

JMS:rp

cc: J. L. Nelson
E. W. Harrington
A. R. Webber
File

26175004

BFG46709