

S.B. Coolidge, Jr.

Coffeyville

Chicago

Aux. Res. Lab.

August 23, 1951

C. H. Adams

2185 Dry #7 Grind

8-7-51

This will finally acknowledge receipt of your letter of August 7 on the above subject.

We can discuss a good many of the fine angles when you come down. We are engaged in an outstanding effort to control our zinc liquor better, especially with the idea of knocking down the silica content, in order to get softer lithopone quenches and perhaps ameliorate our dry grinding problem. The writer feels that benefits resulting from easier dry grinding are passed on to the paint people, etc. Texture has many definitions.

Thanks for calling the matter to our attention in such a good manner.



C.E. Deeds:ed

cc: SBC, JBB

0007-SWP-043825

N23286

Mr. J. B. Boehner

-2-

September 21, 1951

I think it is pretty obvious from the above that R7 grind did not show any improvement in texture over the regular material for the 2185 type. Plant trials on the materials from the above car, likewise, do not show any appreciable difference.

As far as texture is concerned, it does not appear that the recent Bird material is as good as the old Bird samples in the case of both the 461M and W-421 types.

In the case of the 2185, is it possible that the R7 grind in the case of the overload, for some reason would not produce as good a dispersion as R5 or R6 grind on some previous material? This seems to be indicated, at least.

Also, for some reason, it appears that we are not doing as good a job on texture with the overhauled Bird as we were doing last year with the old cylindrical conical bowl. It is, of course, possible that these texture tests do not tell the whole story on 461M and W-421 types, as our purpose originally in making these lithopones was for the purpose of performance in emulsion paint, and not altogether for improving texture.

At any rate, I think the above indicates that we should take a look to make sure that the Bird is working satisfactorily, and, in the meantime, we will try to run the 461M and W-421 test samples to see if they do show other better-than-average properties.

C. H. Adams
C. H. Adams
Mineral Products Laboratory

CHA:af

cc: CKD JVE

0007-SWP-043826

0007-SWP-000127176