CC HES

NOV 15 1971

INTER-OFFICE LETTER FROM Cleveland OFFICE Coatings Laboratory DEPT.

FOR	Cleveland	OFFICE Organic & Catalyst Res.	DATE November 15, 1971
MR.	O. J. Grummitt		SUBJECT Lead Drier Replacement in SWP, A2 W 4
ANSWERING LETTER OF			DICTATED BY File #51

Thanks for your detailed report on the above subject.

We do not have great hopes to continue with our present oil type white house paints if lead content is reduced to 0%.

We would be very hesitant to proceed with our present oils plus cobalt driers because of the danger of wrinkling in the field. If we would consider doing more work with oils, a polyamide modified type would be worth investigating. This type tends to through dry much better than ordinary oils and has greatly reduced wrinkling tendencies. This might permit the use of cobalt driers in place of lead. The performance and economics of this approach would have to be compared to an alkyd system.

In very dark colors we do have a severe drying problem if lead content is reduced much less than 1% on NVM. Loss of drying on aging becomes very pronounced. Fortunately, zirconium does much better in alkyds than oils. This is also where we are hopeful cobalt feeder driers as offered by Mooney and Nuodex may be helpful. Some polyamide may also help.

L. L. Back, Assistant Director
Cleveland Coatings Laboratory

R. S. Tagel
RSTaub/65

cc: J. C. Weaver
R. A. Moore
F. A. Kostenbauk
A. F. Lucchetti
J. J. Lucchetti
J. Tillman
G. G. Schurr
Area Managers

0007-SWP-037409

N22909