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1-8-70
I may get called about that so hold Thanks

December 19, 1969

PRELIMINARY PROPOSAL AND REQUEST FOR ENGINEERING AND CONSTRUCTION DIRECTIVE FOR:

THE FINISHES DEVELOPMENT FACILITY

On December 18, 1969, KCAO-AEC received the subject Proposal for review. During their review, they found several statements in the Proposal that indicated this facility was not safe, and KCAO felt that if it was as bad as the Proposal indicated, it should be shut down. (Some of these statements have been marked in the Proposal.)

At that time, KCAO called Bendix and the call came down the line from [redacted] to [redacted] and he said to shut down the CVD Facility instead of the Aluminum Plating Facility, which is the one that is covered by the subject Proposal. The Aluminum Plating Facility has been shut down and the CVD Facility remains open.

[redacted] requested that I take the subject Proposal to [redacted] Friday so that [redacted] could get with [redacted] to make sure that future justifications are not written so strongly. [redacted] advised that since the justifications are so strong and the Proposal has already gone to KCAO, and even though we feel it is alright now, we should make some modifications to that room before we let them start up again. He advised he would initiate some kind of crash program to get any changes warranted organized. One of the areas [redacted] himself feels is poor is the Materials Engineering Lab and he referred to the plating tanks. He stated the plating tanks appeared very untidy and unorganized. He suggested that in any modifications we might suggest on an interim basis that we change this arrangement, as he feels it does not appear very attractive.

[redacted]
[redacted]

Internal
Memorandum



Kansas City
Division

Date December 23, 1969 Letter No.

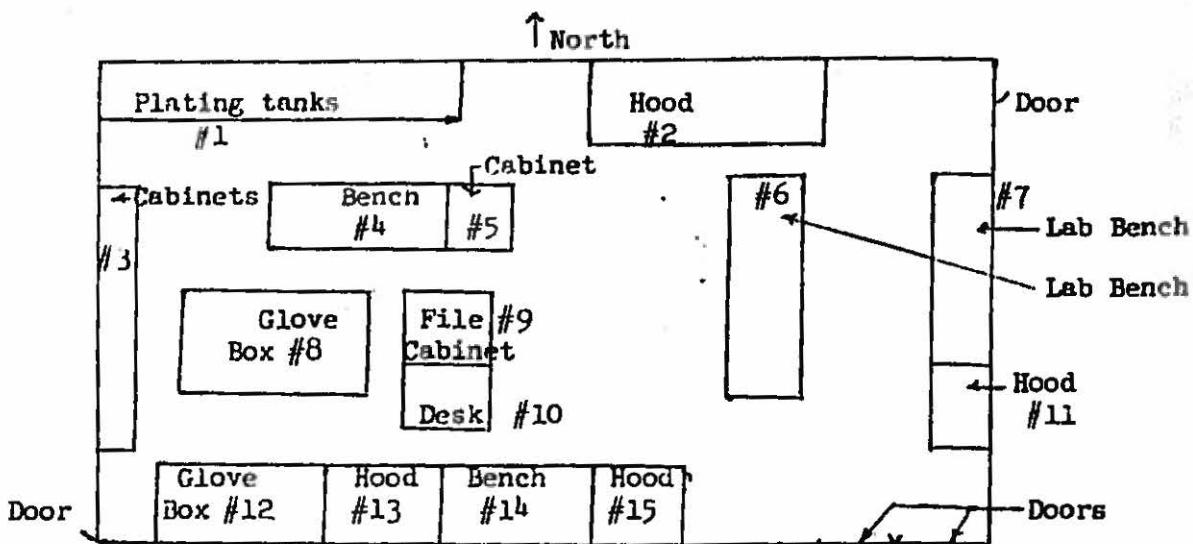
Kansas City, Missouri

To File

From [REDACTED] D/541

Subject ALUMINUM PLATING, D/862

I. Layout of area:



II. Shutdown of the aluminum plating activities

A. These activities were shut down on December 18, 1969 by [REDACTED] as directed by [REDACTED]

III. Since the facility has been shut down, the following modifications have been made to provide additional protection in the area

1. All the chemical processing tanks and miscellaneous equipment at location number one have been removed and the area has been cleaned up.
2. The chemical processing tanks under the hood number two have been modified and rearranged. The solutions not necessary have been disposed of and the area has been cleaned up considerably.
3. The written procedure for aluminum plating is being re-circulated and signed off by individuals working in the area and is being posted in the area.
4. A non-explosion proof duplex receptacle in the glove box number eight has been removed.



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5. Materials stored inside the hoods thirteen, fifteen and eleven have been reduced considerably.
 6. Only those materials required for immediate aluminum plating needs are in glove box number eight. All materials previously stored in this glove box have been removed.
 7. The aluminum plating solution re-circulating pump that had a small leak has been repaired.
 8. The interior of glove box number eight has been cleaned.
 9. Excess material stored in number twelve have been disposed of and removed.
 10. The emergency nitrogen purge system was physically checked out and it is in satisfactory working condition.
 11. Facilities Engineering and Facilities Maintenance are in the process of providing the following devices as supplemental safeguards and funds have been appropriated and approved for the same.
 - A. A moisture detection system with alarm for glove box number eight. This is a detection system with a head installed in glove box eight to determine if there is excess moisture in the glove box that could cause problems in an excess in contact with lithium aluminum hydride. This would be valuable if the nitrogen inerting atmosphere in the glove box were lost.
 - B. An Oxygen detection system with an alarm for glove box number eight. This is to monitor the amount of oxygen in the glove box. This is valuable in the event the nitrogen purge is lost.
 - C. An explosive vapor alarm system with a detector. This detector would be installed in the general area of the glove box to sound an alarm if concentrations of explosive vapors in the area are excessive.
- IV. The aluminum plating activities currently being completed have been in effect for approximately fourteen months on a small research and development type scale with relatively small quantities of material and infrequent aluminum plating of parts as a laboratory type activity.

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Based on the condition of the aluminum plating activity at this time, it is believed that the aluminum plating operations can be started up immediately.

- V. It is recommended that the installation of a separate facility for aluminum plating by Materials Engineering be provided at the earliest possible time as the current location is not suitable for processing a significant number of parts involving large quantities of highly flammable chemical processing solutions required as such an activity would not be compatible with the current environment.


Health and Safety