

TO: J. FRIEND
FROM: V. E. MESSICK
DATE: JUNE 15, 1982
SUBJECT: VCM RELEASE JUNE 10, 1982

ATTACHED IS A COPY OF THE INFORMATION I HAVE GATHERED ON THE 6/10 VCM RELEASE. ATTACHED IS ALSO A DESIGN TO REDUCE THE POSSIBILITY OF A VCM RELEASE FROM THIS SOURCE. INCLUDED IN THE DESIGN ARE THE FOLLOWING RECOMMENDATIONS.

- 1- INSTALLATION OF A BOARD MOUNTED DIFFERENTIAL PRESSURE INDICATOR AND ALARM TO SENSE THE PRESSURE DROP FROM THE OUTLET OF THE RVCM CONDENSERS TO THE RVCM RECEIVERS.
- 2- INSTALLATION OF A BOARD MOUNTED DIFFERENTIAL PRESSURE INDICATOR AND ALARM TO SENSE THE PRESSURE DROP FROM THE OUTLET OF THE SEAL WATER SEPARATORS TO THE OUTLET OF THE RVCM CONDENSERS.
- 3- INSTALLATION OF A NEW 3-INCH HEADER FROM THE OUTLET THE RVCM CONDENSERS TO THE RVCM RECEIVERS.

I WOULD RECOMMEND THAT IN THE LETTER TO THE MISSISSIPPI BUREAU OF POLLUTION CONTROL TO REDUCE THE POSSIBILITY OF FUTURE VCM RELEASES FROM THIS SOURCE THAT ITEM 1 BE INCLUDED. AS AN IMMEDIATE ACTION STEP, I RECOMMEND MONITORING THE PRESSURE DROP BETWEEN THE OUTLET OF THE RVCM CONDENSERS AND THE RVCM RECEIVERS. THIS COULD BE DONE BY THE CD-OP ON A WEEKLY BASIS DURING THE

RUPTURE DISC SURVEY, THIS WOULD REQUIRE THE INSTALLATION OF A PRESSURE GAUGE ON THE OUTLET OF THE RVCM CONDENSERS. THIS IS INCLUDED IN THE DESIGN. THE PRESSURE GAUGES ON THE RVCM RECEIVERS SHOULD BE CHECKED. UPON A DIFFERENTIAL PRESSURE OF 40 PSIG, THE LINE BETWEEN CONDENSERS AND THE RECEIVERS WOULD BE TAKEN OUT OF SERVICE AND CLEANED. THIS WOULD NO LONGER BE NECESSARY AFTER ITEM 1 IS INSTALLED.

P ITEM 2 SHOULD BE DONE BECAUSE THIS WOULD HELP IF THE CONDENSERS PLUG. ITEM 3 WOULD ADD THE CAPABILITY TO CONTINUE TO OPERATE IF THE LINE BETWEEN THE RVCM CONDENSERS AND THE RECEIVERS PLUG,

THESE SAME ITEMS SHOULD ALSO BE DONE IN THE OLD MODULE.

VEDON E. MESSICK
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