

VCM RELEASE WHICH OCCURRED
FEBRUARY 2, 1979 FROM REACTOR D-300

CONFIDENTIAL

Summary:

This release occurred due to an uncontrolled pressure build-up in reactor D-300. Corrective actions to reduce the possibility of reoccurrence of this type of event include revised kill procedures, installation of an effective emergency AMS kill system and installation of emergency cooling and emergency instrument air systems.

QUESTION 1: FOR EACH RELIEF VALVE OR MANUAL VENT VALVE DISCHARGE OF VINYL CHLORIDE ("VC") WHICH OCCURRED FOR THE PERIOD FROM JANUARY 1, 1979 TO JANUARY 1, 1985, A DESCRIPTION OF THE NATURE AND CAUSE OF THE DISCHARGE, INCLUDING PRIMARY AND/OR RELATED CAUSES(S).

Response:

Descriptions giving the nature and cause of the discharge, including primary and/or related cause(s) have been submitted to the EPA. These are listed below.

1. The initial discharge report was sent to EPA-Region IV in a letter dated February 9, 1979 which is attached as reference A-1, Appendix A.
2. Mr. Leon Folsom, EPA-Region IV, visited the Aberdeen Plant on February 21, 1979 to obtain information on this and other releases. As a result of his visit, requested additional information was supplied in a letter dated March 5, 1979 which is attached as reference A-2, Appendix A.
3. On August 21, 1979, Wayne Aronson of EPA Region IV and an EPA contractor (PEDCo Environmental, Inc.) conducted an inspection of the plant. Records were searched and relevant information was copied. As a result of this inspection, a report dated August 31, 1979 was issued by PEDCo. which contains details on the February 2, 1979 discharge. (Reference 1)
4. On October 15, 1980, Mr. Curry L. Miller, Plant Manager, responded to items in the PEDCo inspection report, correcting misleading and incorrect statements in this report. This correspondence, sent to Mr. Wayne Aronson, is attached as reference A-3, Appendix A.

QUESTION 2: FOR EACH DISCHARGE DESCRIBED IN RESPONSE TO III.A.1. A DETAILED DESCRIPTION OF ALL RELEVANT CORRECTIVE STEPS TAKEN BEFORE AND DURING EACH DISCHARGE TO PREVENT AND/OR MINIMIZE THE RELEASE OF VC TO THE ATMOSPHERE INCLUDING, BUT NOT LIMITED TO, SUCH STEPS AS REROUTING VCM EMISSION VENTS TO A COLLECTION VESSEL OR INCINERATOR.

