Monsanto

COMPANY CONFIDENTIAL

FROM (NAME & LOCATION): W. C. Engman, W. G. Krummrich

DATE: April 19, 1972

SUBJECT: HCl DISTRIBUTION SYSTEM ALTERNATIONS

REFERENCE:

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In order to meet the objective of eliminating drowning HCl gas from the Aroclor Department, modifications will have to be made to the HCl distribution system. At present, HCl from Aroclor can be drowned at Dept. 236. This cannot be prevented safely at this time.

C/S and Aroclor Departments will be shut down Saturday (4/22) for a C/S department turnaround. Shut-down will last a week to 10 days. In that time modifications will be made to positively prevent sewering HCl gas from Aroclor anywhere except at the Aroclor department drowning jet. A recorder and alarm will be installed in the control room to alert the operator to cut back rate or shut down before gas is sewered. This will support the present verbal communications between C/S and Aroclor operators.

Blanking off of the drowning facilities at the Aroclor department is not recommended as it would create an unsafe condition. Excessive pressure in the HCl off-gas will cause failure of one or more chlorinator rupture discs. This would result in enveloping the Aroclor department and surrounding area in HCl and Chlorine gases. In addition, substantial quantities of PCB droplets could be airborne outside the Aroclor curbed area increasing the potential for PCB sewer losses.

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