WORK PROPOSAL

WGK ANALYTICAL RESEARCH AND DEVELOPMENT GROUP

INITIATED BY	PHONE NO.	DATE SUBMITTED
W. A. Krull	2071	4/28/71

PRODUCT	DEPT. NO.	DEPT. CHARGE NO.
Aroclors	246	811.00

TITLE: AROCLOR SULFONATION

REPORT TO: A. E. Leisy, R. M. McCutcheon, W. C. Engman, H. J. Horner, R. H. Blowers, File

STATEMENT OF PROBLEM OR INFORMATION NEEDED

A SEALING FLUID IS NEEDED FOR A TANK IN THE HCl OFF-GAS SYSTEM. SULFURIC ACID IS BEING CONSIDERED AND MAY REACT WITH THE PCB IN THE OFF-GAS. A CRUDE TEST IS NEEDED TO DETERMINE THE EXTENT AND BEST TEMPERATURE RANGE.

JUSTIFICATION (SAVINGS OR BENEFITS)

THE REACTION PRODUCT WILL NOT BE IDENTIFIABLE AS PCB AND WILL REDUCE THE POLLUTION THREAT FROM THE OFF-GAS SYSTEM.

TO BE COMPLETED BY A.R. & D.

PROBLEM NO.	ASSIGNED TO	ESTIMATED MAN DAYS	ESTIMATED COST	ESTIMATED COMPLETION DATE
H-1616	Gloeckner			
REPORT NO.	**CATEGORY**	**ACTUAL MAN DAYS**	**ACTUAL COST**	**ACTUAL COMPLETION DATE**
AR&D 1899	II A	4 hrs.	$50	5/11/71

APPROVALS

AR&D GROUP LEADER	TSD GENERAL SUPERINTENDENT	
H. J. Horner		

RESULTS:

Tests at 100-150°C with 98% H_2SO_4 indicated that biphenyl, off-gas condensate or Aroclor 1242 does not sulfonate at exposures of up to 30 min.

5/11/71

J. A. Gloeckner

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