~~Confidential~~

PROJECT PREMISE

TECHNICAL SERVICES DEPARTMENT

TITLE: Pollution Control in Aroclor Tank Farm & Tank Car Loading Area

DEPT. : 916-07 TSD JOB NO. 010-1108 Pg 1 of 4

DATE : 10-14-70

OBJECTIVE : To make possible the clean up and containment of PCB leaks and spills in the Aroclor tank farm and Aroclor Tank Car loading area.

BACKGROUND: Existing tank farm operations are ~~leak~~ producing leaks and spills. Chat, which covers the area between and around tanks, collects most of the leaks. The chat can be shoveled up and replaced or be covered by more chat. Slag, in and around the railroad tracks next to the dock areas ~~east~~ west of the warehouse, collects the loading line leaks and possible tank car spills and is now becoming a large build up of PCB, just as the areas around the tanks.

MONS 033888

Scope :

1.) Only if the tank farm area is concreted and curbed can Aroclor leaks be contained and cleaned up. In the event of a major spill or leak, containment will be possible. Drainage facilities for handling rainwater will be provided. Drainage will be to the existing 12" sewer line running South to North parallel to the warehouse.

2.) The Aroclor tank car loading area around the railroad tracks must have the provisions necessary for cleanup of drips from the loading line and possible overflow of the tanks. Again, concrete pads must be resorted to. This applies to the South, middle, and North loading docks. Railroad track sections and the ties must be removed, and a concrete pad and curbing similar to those at the Niran loading docks will be constructed.

Results :

1) All leaks and spills will be accessible for containment and cleanup.

2.) Drainage facilities will be provided for a possible 175 GPM of rainwater.

3.) All Drainage will be routed through a trench to the existing 12" sewer line which runs S. to N. next to the warehouse and runs W. to E. along the North side of the warehouse and into the latest 8'x10'x8' sump built as part of the new limestone pit project, for the purpose of collecting Arochlor loading dock leaks which get into the 12" line.

4.) The appearance of the Arochlor tank farm area and loading dock areas will improve.

Disadvantage: One undesirable effect develops from this project; It is the additional "second phase" resulting from rainwater and PCB contact. This will not be a new problem. Arochlor is already in this existing 12" sewer line. The newest small sump (8'x10'x8') can handle between 60–120 GPM with an efficiency between (80–97) %. This sump is now receiving 20-30 GPM, therefore should be operating satisfactorily. During rains, after completion of project, this efficiency will decrease, but exactly how much PCB will reach the Pit is unknown.

MONS 033890

Solution: If leaks and spills can be cleaned up as soon

As they occur, then no additional "second phase" from the tank farm area will occur. However, some additional PCB is inevitable. The following points should be kept in mind for comments:

a.) Should we let this and the present "second phase" enter the 8'x10'x8' sump? no

yes

b.) Should we build a new sump for this sewer line only? no

Yes

c.) Should we let this sewer line be one of the several lines which could enter a future pre-pit sump for all PCB collection.

certainly would considering

⊗ From the standpoint of PCB Cleanup + containment, this project is a must.

Total Project Cost ($55 M)

Ricky Ramsey

Approval Jesse L. Cowden
10-21-70

MONS 033891