Wildlife

Monsanto

FROM (NAME & LOCATION) R. M. McCutchan - Sauget, Illinois

DATE : April 7, 1970

SUBJECT : Status of Aroclor Pollution Control April Report - WGK

REFERENCE :

cc: T. W. Dalton
P. B. Hodges - G.O.
F. McDonald - Newport
J. R. Savage - G.O.
H. L. Williams - Anniston

TO : W. B. Papageorge
General Offices

Current and Targeted Levels

No further sample data is available concerning the amount of Aroclor entering and leaving the WGK waste treatment plant. (Last month 218#/day was reported.)

Samples were taken at the water line of the Mississippi River with the following results:

River Level	4.1 ft.	1.8 ft.
Date	12/9/69	1/29/70
Sampling Station:		
Upstream	-	0.5 ppm 1242
Monsanto Dock	1.2 ppm 1242	69.6 ppm 1242
Downstream	5.0 ppm 1242 0.1 ppm 1260	14.3 ppm 1242 -
Cargill Dock	-	0.7 ppm Total

Sampling will be extended downstream beyond the Cargill loading dock to determine the extent of Aroclor contamination above upstream concentrations.

Projected Aroclor losses are:

Target Date	#/Day	Parts per Billion to river
Current	65	325
9/1/70	55	275
10/1/70	10	50
1971(?)	(Below solubility level)	

Known Losses to Sewer in March

Inorganic Group: Dept. 243 — 55 lbs.(est.)
Dept. 251 — 600 lbs.(est.)

Dept.246(Aroclor production) specific loss: 38,000 lbs.(est.)
routine: 65 lbs./day(est.)

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PAUL HODGES DEPOSITION
May 31 - June 1, 1994
EXHIBIT NO. 26

The larger loss from Dept. 246 occurred on 3/13 in a one hour time period. It resulted from an operator error and a subsequent failure of a level control alarm. Project #1493 which was being installed at the time protects against exactly this kind of loss. The installation was completed on 3/16.

The routine loss from Dept. 246 has been reduced by installing a drain line from the vapor header immediately upstream from the drowning jet. Any liquid in this header is caught in a drum and taken to the dump. This drain line will be replaced later by a more efficient entrainment separation system.

Current Work

1. Blow Tank Piping Alterations
   Proj. No. 1493
   $5400 expense, -0- capital
   Installation complete - prevents major losses from continuous blow tank

2. Absorber Rupture Disc Alterations
   Project No. 1512
   $1500 expense, $4500 capital
   EDC 7/1/70
   Will prevent losses from four rupture disc discharge lines.

3. Install Aroclor Settling Basin
   Project #1795
   $7000 expense, $7000 capital(request submitted on 3/23/70)
   EDC 9/1/70

4. Removal of Aroclor from Gases to Drowning Jet
   EDC - 10/1/70
   Evaluation stage, no cost estimate, but probably $15,000 to $30,00

5. Removal of Dissolved Aroclors
   EDC - 1971(if justified)

R. M. McCutchan

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