Monsanto

FROM (NAME & LOCATION): F. Macdonald - Newport

DATE: 22nd October, 1970.

SUBJECT: Aroclor Waste - Monthly Report September, 1970 Newport Operation

REFERENCE: FM/SC

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Newport (September)

Removal of Suspended Aroclors from Plant Effluent

Installation of sump level alarms now complete.

PCB levels in Sewer

P.C.B's in the Newport Plant effluent between 1st September and 5th October ranged from 20 to 932 ppb. There were three high results of 2,998 ppb, 81,039 and 3,095 ppm. The highest of these coincides with leaks from the Santotherm pumps on 4NDPA plant. Excluding the three high results the average figure is 246 ppb.

246 ppb of PCB is equivalent to approximately 2.46 lbs/day.

Information has been requested from Anniston on trials using carbon treatment for removal of Aroclors from waste effluent.

Spills

A bunded area draining into a closed drum has been installed around the Santotherm pumps on the 4NDPA plant. Modifications are in hand to improve the drainage from this area.

PCB levels in Atmosphere

Atmospheric Emission

T.S.D. Progress Report No. 2 on Job No. 27/7139/2392 was issued on 15th October giving results obtained to date on sampling of plant atmospheres for P.C.B. contamination. Results are:-

	Area	PCB mg/m^3 air	Comments
1.	Drumming	0.38	Indoors. 2 roller doors open.
2.	Chlorination (ground floor)	0.59 0.13	Enclosed area, large roller door open.
3.	Santolube 900	0.23	Indoors, Normal process cond.
4.	4NDPA (Expansion tank)	0.94 Pract. Nil	Outdoors. Outdoors

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	Area	PCB mg/m^3 Air	Comments
5.	Aroclor control room	0.28	Indoors
6.	Chlorination (first floor)	0.12	Chlorinators shutdown.
		0.19	Chlorinators operating
		0.12	" "
7.	Airblowing room	0.39	Indoors, Normal process conditions.

Used Drum Disposal

Blagdens drum reconditioning plant at Barking in Essex visited to see a trial to recondition used Aroclor drums. A full report on this trial will be issued in next few days.

F. Macdonald