Monsanto

FROM (NAME & LOCATION): H. L. Campbell - WGK

DATE: May 26, 1977

SUBJECT: PCB Analysis
Treatment Plant Wastes

REFERENCE:

TO: R. L. Harness

cc: P. E. Heisler
W. L. Smull
H. J. Horner
J. A. Gloeckner
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To establish what method of disposal will be required for the treatment plant's sludge and oil wastes, you have submitted samples for polychlorinated biphanyl (PCB) analyses. Proposed regulation will require incineration for such wastes containing over 0.05% (500 ppm) by weight of PCB's.

Our analytical results show that the sludge and oil presently on hand at the plant, contain less than the proposed allowable concentration. The result for each type of waste is as follows:

Material	PCB's in ppm
Sludge (as rec'd)	25 ± 5
Oil (filtered and dried)	265 ± 15

A standard method for determining PCB's in sediment was employed for the sludge sample, while a previously used procedure for PCB's in animal and fish fats and oils was followed for the oil analysis. The determinative step in both instances was by electron capture gas chromatography (EC/GC).

H. L. Campbell

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