

9444.1986(23)

Mr. Alfred A. Levin
Director, Toxic Substances Control
Regulatory Affairs
Velsicol Chemical Corporation
341 East Ohio Street
Chicago, Illinois 60611-337

Dear Mr. Levin:

This is in response to your march 19, 1986, letter in which you request written confirmation that the wastes generated from the manufacture of 2,4,5-Trichlorophenol (TCP) and Hexachlorophene at your Beaumont plant are not covered by the dioxin listings promulgated on January 14, 1985 (see 50 FR 1978). First, I would like to apologize for my delay in getting back to you; I hope this has not caused you any problems. With respect to your specific request, I agree that all of the wastes that are described in your letter that are generated at your Beaumont plant from 2,4,5-TCP and Hexachlorophene production are not covered by the dioxin listings (EPA Hazardous Waste Nos. F020-027).¹ As I explain below, these wastes are specifically excluded activities are being carried out or were carried out in the past, the answer to these questions could change. More specifically:

* Wastes from Manufacture of 2,4,5-TCP

- Wastewaters - I agree that the wastewaters that are generated in the 2,4,5-TCP process (i.e., streams 1 and 2, as referred to in your letter) are not covered by the EPA Hazardous Waste Nos. F020 and F023 listings. If, however, these wastewaters are treated on-site and a sludge is formed (e.g., biological sludge, spent activated carbon, spent filter aid, etc.), the sludge is covered by the listings and would be regulated as an acute hazardous waste. (See enclosed, March 29 1985, memorandum from Michael Cook to the Regions).

1 The only stream which I did not address is the spent sulfuric acid from the manufacture of 2,4,5-TCP. However, Mr. Steven E. Silverman already addressed the regulatory status of this stream in a separate letter dated October 6, 1986. Therefore, I will not discuss it in this letter.

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* Wastes from manufacture of Hexachlorophene Where Highly Purified 2,4,5-TCP is Used

- I agree with you (except as noted below) that all the wastes that are generated by this process (i.e., streams 3-11 and 13-19, as referred to in your letter) are not included within the scope of EPA Hazardous Waste Nos. F020 and F023). I agree with Dr. Bellin that highly purified 2,4,5-TCP means any 2,4,5-TCP that contains less than 1 ppb of 2,3,7,8-TCDD.2 (You should be aware that if the Hexachlorophene Process at this plant was previously operated without using "highly purified 2,4,5-TCP," the wastes that are currently generated would be covered by EPA Hazardous Waste No. F023.)

Please feel free to give me a call if you have any further questions; my telephone number is (202) 475-8551.

Sincerely,

Matthew A. Straus
Chief
Waste Characterization Branch

Enclosure

2 This level is much lower than that typically found in 2,4,5-TCP where the 2,4,5-TCP had not been highly purified. See table 3 in listing background document to dioxin listing where it states that the concentration of 2,3,7,8-TCDD in trichlorophenols did range between 0.07 to 6.2 ppm. In addition, based on discussions we had with manufacturers who use to produce hexachlorophene meeting FDA standards with respect to TCDD-contamination and their supplies of 2,4,5-TCP, the 1 ppb level of 2,3,7,8-TCDD was indicated as necessary in order to meet the FDA specification for Hexachlorophene.

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