



# Department of Pesticide Regulation



Paul E. Helliker  
Director

## MEMORANDUM

Gray Davis  
Governor  
Winston H. Hickox  
Secretary, California  
Environmental  
Protection Agency

TO: Joe Frank, Senior Toxicologist  
Worker Health and Safety Branch **HSM-01022**  
(number assigned after original memo issued)

FROM: Sally Powell, Senior Environmental Research Scientist [original signed by S. Powell]  
Worker Health and Safety Branch  
(916) 445-4248

DATE: January 26, 2001

SUBJECT: ASSIGNMENT # 01-0003

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As part of Assignment # 01-0003, I was asked to compare the final ARB air monitoring results for 1,3-dichloropropene (ARB, 2000b) to the air levels in our RCD.

The air concentrations of 1,3-dichloropropene in the final report are identical to those in the draft final report (ARB, 2000a), which was reviewed previously. I have attached copies of the earlier review memos and have summarized them briefly here.

Using preliminary air monitoring data received from the ARB in November (Lew, 2000), six-week and annual mean air concentrations of 1,3-dichloropropene at the monitoring site with the highest concentrations were calculated as 8.6 and 2.7 ug/m<sup>3</sup>, respectively (Powell, 2000a). The highest single concentration measured was 140 ug/m<sup>3</sup>. These concentrations were evaluated by the Medical Toxicology Branch (Reed, 2000).

The final data were released in draft form (ARB, 2000a) in December with minor revisions to the preliminary numbers. Based on the draft final monitoring data, the six-week and annual mean air concentrations at the monitoring site with the highest concentrations were 9.9 and 3.1 ug/m<sup>3</sup>, respectively (Powell, 2000b). The highest measured value in the draft final data was 135 ug/m<sup>3</sup>.

ARB. 2000a. Report for the ambient air monitoring for methyl bromide and 1,3-dichloropropene in Kern County (Draft). Project no. C00-028. Testing Section, Engineering and Certification Branch, Monitoring and Laboratory Division, Air Resources Board, California EPA. Sacramento, CA. December 11, 2000.

ARB. 2000b. Ambient air monitoring for methyl bromide and 1,3-dichloropropene in Kern County - Summer 2000. Project no. C00-028. Testing Section, Engineering and Certification Branch, Monitoring and Laboratory Division, Air Resources Board, California EPA. Sacramento, CA. December 27, 2000.



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Lew, G. 2000. Memo from George Lew, Chief, Engineering and Certification Branch, ARB, to John Sanders, Chief, Environmental Monitoring and Pest Management Branch, DPR, dated 10/23/00. Subject: Preliminary Kern County Monitoring Results.

Powell, S. 2000a. Memo from Sally Powell, Sr. Env. Research Scientist, Worker Health and Safety Branch, DPR, to Chuck Andrews, Chief, Worker Health and Safety Branch, DPR, dated 11/20/00. Subject: ASSIGNMENT # 00-0355.

Powell, S. 2000b. Memo from Sally Powell, Sr. Env. Research Scientist, Worker Health and Safety Branch, DPR, to Chuck Andrews, Chief, Worker Health and Safety Branch, DPR, dated 12/18/00. Subject: 1,3-dichloropropene air concentrations based on revised monitoring data from Kern County.

Reed, N. 2000. Memo from Nu-may Reed, Staff Toxicologist, Medical Toxicology Branch, DPR, to Gary Patterson, Chief, Medical Toxicology Branch, DPR, dated 11/20/00. Subject: ASSIGNMENT # 00-0355; Evaluation of Risk based on Preliminary Kern County Air Monitoring Results of 1,3-Dichloropropene.

cc: Jim Sanborn, Keith Pfeiffer, Ruby Reed

Attachments