
Reactivity Subgroup
Second Meeting Summary - October 17 and 18, 1995

Introduction

On October 17, 1995, the second meeting of the Reactivity Subgroup was held at the Sacramento Convention Center in Sacramento, California. The meeting was attended by about 100 people. The following items were presented and discussed at the meeting:

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| 1. Update of Recent Changes to the VOC Definition |
| 2. Reactivity Elements of the ARB's Low Emission Vehicle/Clean Fuels Program |
| 3. Uncertainties and Research Needs in Quantifying VOC Reactivity for Stationary Source Emission Control Regulations (Dr. William P. Carter) |
| 4. Preliminary Issues/Control Concepts (w/Pros-Cons) for Employing Reactivity Considerations:

Key Points and Goals for the Program
Preliminary Control Concepts:
Both VOC Content and Reactivity-weighted Limits
Reactivity-weighted Limits Only
Reactivity-based Innovative Products Provision
"Total Product" Reactivity Determinations
Application of Default Reactivity Values
Private Industry Reactivity Determinations/Publication of These Determinations
Revisitation of Published Reactivity Values
Incorporating Low Vapor Pressure and Other Current Exempts
Need for Obtaining Comprehensive Product Speciation |
| 5. Future Activities |
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Summary and Future Meetings

This meeting was intended to build upon the basic working knowledge established at the first Reactivity Subgroup Meeting (July 11-12, 1995). To this end, staff discussed ARB's current use of reactivity considerations in the Low Emission Vehicle/Clean Fuels program. Also, Dr. William Carter of the Statewide Air Pollution Research Center provided a detailed and comprehensive discussion on reactivity and the uncertainties involved in estimating the reactivity of volatile organic compounds (VOCs). The majority of the meeting was spent discussing three preliminary control concepts employing reactivity principles and the various issues associated with

developing a reactivity-based control program.

As with the Consumer Products Working Group (CPWG), the Reactivity Subgroup is open to all who would like to participate. Meeting on an "as needed" basis, the Reactivity Subgroup is scheduled to meet again on January 18, 1996 at the Air Resources Board's Sacramento headquarters. The preliminary agenda for the meeting includes a further discussion on uncertainties in reactivity determinations and how to deal with them, current research/test methodology development activities, and additional preliminary control concepts employing reactivity considerations.

On October 18, 1995, the ARB's Monitoring and Laboratory Division conducted a meeting at ARB headquarters to discuss the Research Triangle Institute contract, draft Method 310, and low vapor pressure test method issues. Currently Method 310 contains six standard operating procedures and staff expects to complete three additional procedures before the year is out. Staff would also like to conduct an inter-laboratory trial of Method 310. A workshop on draft Method 310 will be held on January 19, 1995 (notice to be mailed under separate cover). If you are interested in participating, please contact Mr. Michael Spears, Manager, Evaluation Section at (916) 263-1627.

Inquiries about this meeting summary should be directed to Floyd Vergara, Air Resources Board, at (916) 327-1503.