Air Resources Board

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TO: George Lew, Chief
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FROM: Joe Guerrero, Manager
Engineering Evaluation Section

DATE: March 30, 2004

SUBJECT: 200 AND 100-CAR MATRIX UPDATE

As you requested, we have updated the 200-car matrix based on current data which takes into account the following:

(1) populations of registered automobiles by model year in various classifications effective at the end of 2003 (from a printout received from DMV, contacts: Chris Terwilliger, 657-8844, and Michelle Rodriguez, 657-5822, both of Information Systems Branch, Policy Development Section, DMV), and

(2) model-estimated miles per day per vehicle and relative vehicle population as a function of model year for automobiles and for light trucks (from a spreadsheet file furnished by Doug Thompson and Tom Scheffelin of ARB's Planning and Technical Support Division (PTSD), Motor Vehicle Analysis Branch, Motor Vehicle Assessment Section).

The update was determined in accordance with TP-201.2A, Determination of Vehicle Matrix for Phase II Systems. The updated 200-car matrix is as follows:

200-Car Matrix

years	Chrysler	Ford	G.M.	Toyota	Honda	Niss/Dat	VW/Volvo	others	trucks	Totals
2002-2004	1	3	3	3	2	1	1	3	12	29
1998-2001	3	6	6	5	3	2	2	4	23	54
1993-1997	2	6	5	4	3	1	2	4	17	44
1988-1992	1	4	4	3	2	1	1	3	10	29
1957-1987	2	4	7	3	1	2	2	3	20	44
Totals	9	23	25	18	11	7	8	17	82	200

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California Environmental Protection Agency

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As noted previously, trucks may be distinguished from truck-like vehicles based on license plates - autos and trucks have distinctively different types of plates. Trucks over 8500 lbs rated gross vehicle weight (GVW) should not be tested and only gasoline-fueled vehicles should be tested. The 8500 lb cutoff on GVW is new this year and was previously 6000 lb – the 8500 cutoff is justified based on typical truck weights and is necessary due to a change in weight category cutoffs by PTSD.

For informational purposes, the following table shows the comparable 100-car matrix.

100-Car Matrix										
years	Chrysler	Ford	G.M.	Toyota	Honda	Niss/Dat	VW/Volvo	others	trucks	Totals
2002-2004	1	1	2	2	1	1	1	1	6	16
1998-2001	1	3	3	2	2	1	1	2	12	27
1993-1997	1	3	3	2	1	0	1	2	8	21
1988-1992	1	2	2	1	1	0	1	1	5	14
1957-1987	1	2	4	1	1	1	1	1	10	22
Totals	5	11	14	8	6	3	5	7	41	100

If you have questions or need further information, please contact Peter Kosel at (916) 322-8930 or via email at pkosel@arb.ca.gov.

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