

Health and Pollution Impact

Official statements from various organizations

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HRA prepared for the Heim Br./SR-47 project

<http://www.aqmd.gov/ceqa/igr/2009/February/feb09.html>
February 2009 Comment Letters Draft Environmental Impact Reports
The following letters were written (date sent in parentheses) by the AQMD commenting on the air quality analysis. PDF files require the use of a reader.

<http://www.aqmd.gov/ceqa/igr/2009/February/EISEIRI-710.pdf>
"Protocol for the Air Quality and Health Risk Assessments (AQ/HRA) for the I-710 Corridor Environmental Impact Report"
Environmental Impact Statement (EIR/EIS) South Coast Air Quality Management District FEBRUARY 22, 2009

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Hearing on "Air Pollution Challenges for California's Inland Empire" United States Senate Committee on Environment and Public Works
Senator Barbara Boxer, Chairman Wednesday, October 10, 2007: San Bernardino CA
"Air Pollution and Health" - testimony by: W. James Gauderman, Ph.D. Keck School of Medicine

<http://www.ictf-jpa.org/publiccomment/Letters/NaturalResourcesDefenseCouncil-022609.pdf>
Re: Notice of Preparation / Initial Study - ICTF Project
Natural Resources Defense Council American Lung Association In California Coalition For A Safe Environment Coalition For Clean Air Communities For Clean Ports East Yard Communities For Environmental Justice Harbor Watts Edc Long Beach Alliance For Children With Asthma San Pedro And Peninsula Homeowner's Coalition February 25, 2009
Re: 1-710 Project EIR Alternatives
Barry R. Wallerstein D.Env. South Coast, Air Quality Management District, February 17, 2009, Pgs 9-14

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THE Impact Project June 2009

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<http://www.arb.ca.gov/research/health/healthup/march07.pdf>
Health Effects Associated With Traffic-Related Air Pollution
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On-road ultrafine particle concentration in the M5 East road tunnel, Sydney, Australia
Knibbs, Luke D., deDear, Richard, Mengersen, Kerrie, & Morawska, Lidia (2009) On-road ultrafine particle concentration in the M5 East road tunnel, Sydney, Australia. *Atmospheric Environment*, 43(22-23), pp. 3510-3519.

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Particle Concentration and Characteristics near a Major Freeway with Heavy-Duty Diesel Traffic
Leonidas Ntziachristos, Zhi Ning, Michael D. Geller, and Constantinos Sioutas*
Department of Civil and Environmental Engineering, University of Southern California, Los Angeles, California 90089
Environ. Sci. Technol., 2007, 41 (7), pp 2223-2230 DOI: 10.1021/es062590s Publication Date (Web): February 23, 2007
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Particulate matter air pollution: how it harms health

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In-Cabin Commuter Exposure to Ultrafine Particles on Los Angeles Freeways

Yifang Zhu, Arantazu Eiguren-Fernandez, William C. Hinds, and Antonio H. Miguel*, Department of Environmental Engineering, Texas A&M University-Kingsville *Environ. Sci. Technol.*, 2007, 41 (7), pp 2138-2145 DOI: 10.1021/es0618797 Publication Date (Web): February 27, 2007 Copyright © 2007 American Chemical Society

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EPA proposes nation's strictest smog limits ever

It wants to toughen the ozone limit adopted in 2008 by cracking down further on vehicles, power plants, factories and landfills. Much of the U.S. could then be in violation of federal regulations.

January 08, 2010 | By Jim Tankersley and Margot Roosevelt

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LA Times, August 4, 2009 | 3:53 pm

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Comparison of Daytime and Nighttime Concentration Profiles and Size Distributions of Ultrafine Particles near a Major Highway

Yi Fang Zhu, Thomas Kuhn, Paul Mayo, and William C. Hinds, Department of Environmental Health Sciences, University of California Los Angeles, 650 Charles E. Young Drive South, Los Angeles, California 90095

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Jennifer D. Parker, PhD*, Tracey J. Woodruff, PhD, MPH, Rupa Basu, PhD, Kenneth C. Schoendorf, PhD, MPH, Published online January 3, 2005, PEDIATRICS Vol. 115 No. 1 January 2005, pp. 121-128 (doi:10.1542/peds.2004-0889),*Office of Analysis and Epidemiology, National Center for Health Statistics, Hyattsville, Maryland_ National Center for Environmental Economics, US Environmental Protection Agency, Washington, DC

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Beate Ritz, Fei Yu, Guadalupe Chapa, and Scott Fruin, *Epidemiology* September 2000, Vol. 11 No. 5

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Air Pollution Affects Respiratory Health In Children With Asthma, Study Shows

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Yifang Zhu, Arantzazu Eiguren-Fernandez, William C. Hinds, and Antonio H. Miguel*

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Physicians for Social Responsibility - Los Angeles

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Study finds pollutants 1.5 miles from I-10 during early morning hours
By Sarah Anderson UCLA June 10, 2009

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Tunnels Concentrate Air Pollution By Up To 1,000 Times
A toxic cocktail of ultrafine particles is lurking inside road tunnels in concentration levels so high they have the potential to harm drivers and passengers, a new study has found.
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Zhi Ning, Constantinos Sioutas*, *Department of Civil and Environmental Engineering, University of Southern California, 3620 South Vermont Avenue, Los Angeles, CA 90089, USA* 10: 43-58, 2010, Copyright © Taiwan Association for Aerosol Research, ISSN: 1680-8584 print / 2071-1409 online, doi: 10.4209/aaqr.2009.05.0036, *Received for review, May 25, 2009, Accepted, August 28, 2009*

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A new crop of eco-warriors take to their own streets
Along the I-710 corridor, where cargo-carrying trucks and trains spew diesel pollution around the clock, grass-roots groups are persuading residents to act and making clean air a priority. By Margot Roosevelt, LA Times Local, September 24, 2009

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Heavy traffic linked to higher miscarriage rates

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Andrea M. Hricko Keck School of Medicine, University of Southern California, Los Angeles, California, *Environ Health Perspect.* 2006 April; 114(4): A204-A205.

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Railroads Produce Less Ground Friction Than Motor Vehicles - rubbing of tires on pavement is also a significant source of pollution

The North American Steel Interstate Coalition, Copyright 2010.

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Allen L. Robinson*, Eric M. Lipsky, Natalie Pekney, Leonard Lucas, David Wynne, Carnegie Mellon University, Pittsburgh, PA. Wolfgang F. Rogge, Anna Bernado-Bricker, Orhan Sevimoglu, Florida International University, Miami, FL. Presented at *AAAR Specialty Conference: Particulate Matter, Supersites Program & Related Studies* February 7-11, 2005, Atlanta GA

PM and Ultrafine Particles and Lungs and Inflammation

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Ultrafine Particles in Air Pollution May Heighten Allergic Inflammation in Asthma

A new academic study led by UCLA scientists has found that even brief exposure to ultrafine pollution particles near a Los Angeles freeway is potent enough to boost the allergic inflammation that exacerbates asthma.

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Coarse Particulate Matter In Air May Harm Hearts Of Asthma Sufferers, Study Finds

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Ambient ultrafine particles provide a strong adjuvant effect in the secondary immune response: implication for traffic-related asthma flares

Ning Li1,* , Jack R. Harkema2,3,* , Ryan P. Lewandowski3, Meiyang Wang1,2, Lori A. Bramble3, Glenn R. Gookin4, Zhi Ning5, Michael T. Kleinman4, Constantinos Sioutas2,5, and Andre E. Nel1,2, *American Journal of Physiology-Lung Cellular and Molecular Physiology*, Submitted 9 April 2010. accepted in final form 17 June 2010.

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Long-term Air Pollution Exposure Is Associated with Neuroinflammation, an Altered Innate Immune Response, Disruption of the Blood-Brain Barrier, Ultrafine Particulate Deposition, and Accumulation of Amyloid β -42 and β -Synuclein in Children and Young Adults

Lilian Calderón-Garcidueñas, Anna C. Solt, Carlos Henríquez-Roldán, Ricardo Torres Jardón, Bryan Nuse, Lou Herritt, Rafael Villarreal-Calderón, Norma Osnaya, Ida Stone, Raquel García, Diane M. Brooks, Angelica González-Maciel, Rafael Reynoso-Robles, Ricardo Delgado-Chávez and William Reed, The Center for Structural and Functional Neurosciences, College of Health Professions and Biomedical Sciences, University of Montana, 32 Campus Drive, 289 Skaggs Bldg., Missoula, MT 59812

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Received: 21/04/08 *to whom all correspondence should be addressed: v M. POLITIS* Water and Air Analysis Laboratory, Department of Environment, C. PILINIS University of Aegean, Mytilene, Greece T.D. LEKKAS Accepted: 30/06/08

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Ambient Air Pollution and the Progression of Atherosclerosis in Adults

Nino Künzli^{1,2*}, Michael Jerrett³, Raquel Garcia-Esteban², Xavier Basagaña², Bernardo Beckermann³, Frank Gilliland⁴, Merce Medina², John Peters⁴, Howard N. Hodis⁵, Wendy J. Mack Swiss Tropical and Public Health Institute (Swiss TPH), Basel, Switzerland, ² Centre for Research in Environmental Epidemiology CREAL, Barcelona, Spain, ³ Division of Environmental Health Sciences, School of Public Health, University of California, Berkeley, California, United States of America, ⁴ Department of Preventive Medicine, University of Southern California, Los Angeles, California, United States of America, *PLoS ONE* February 2010 | Volume 5 | Issue 2 | e9096

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Michael Jerrett,¹ Murray M. Finkelstein,² Jeffrey R. Brook,³ M. Altaf Arain,⁴ Palvos Kanaroglou,⁴ Dave M. Stieb,⁵ Nicolas L. Gilbert,⁵ Dave Verma,⁶ Norm Finkelstein,⁴ Kenneth R. Chapman,⁷ and Malcolm R. Sears⁸

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EDF March 1, 2010 | Posted by Transportation Team *This post was co-authored by Camille Kustin*

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Valley Fever

There is no doubt that construction companies contribute significantly to Valley Fever. According to the MayoClinic By ADMIN, Arizona Public Record Search, on December 27, 2010

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Project Stirs Fears Of Valley Fever; Residents Say Construction May Spread Harmful Spores
Byline: Gloria Gonzales Daily News Staff Writer Copyright 1998 Daily News