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Cc: ORD-IOAA-Front Office Support[ORDIOAASUPPORT@epa.gov]; D'Amico, Louis[DAmico.Louis@epa.gov]
From: Bahadori, Tina
Sent: Wed 1/10/2018 6:12:29 AM
Subject: NCEA Weekly Report for January 10th, 2017

National Center for Environmental Assessment
Weekly Report for January 10th, 2017

Notables listed below and 30-day Outlook attached.

HOT TOPICS

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Lead Support. Ellen Kirrane and James Brown will provide technical support to OPPT through the Dust Lead Hazard Standards workgroup. The Ninth Circuit recently granted a petition to compel EPA to act upon a rulemaking petition that would address whether to revise the dust hazard standard as well as the definition of lead-based paint. EPA was ordered to issue a proposed rule within 90 days of the court decision and a final rule within one year of the proposal. James Brown has provided ongoing support to OPPT on the lead hazard standard prior to the reactivation of the workgroup.

Update on the Denka Request for Correction. Kris Thayer and Steve Dutton participated in a cross-agency briefing regarding the Denka Performance Elastomers Request for Correction (RfC) of the chloroprene IRIS assessment. The briefing included representatives from Office of Enforcement and Compliance Assurance, Office of Air and Radiation, Office of Public Affairs, Office of the General Counsel, and Region 6 in an effort to coordinate support being provided to Louisiana Department of Environmental Quality on this issue. ORD provided an update on the status of the response to the RfC which is to be communicated via the Office of Environmental Information by the end of January, 2018.

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PUBLIC ACTIVITIES

Environmental Health Training Program. On January 16th – 18th, Jason Fritz will be providing training on environmental human health risk assessment based upon NCEA's Risk Assessment and Training Experience (RATE) course modules, as part of an Environmental Health Training Program in Guangzhou, P.R. China, organized jointly by the South China Institute of Environmental Sciences, the Ministry of Environmental Protection (MEP), P.R. China, and the Environmental Defense Fund.

State Department Support. Jason Sacks provided scientific and technical support to the State Department on the interpretation of a recent study published in JAMA by Di et al. that examined associations between short-term PM2.5 and O3 exposure, daily mortality, and reported associations below the level of the current National Ambient Air Quality Standards (NAAQS). This support was requested for the purposes of providing information to U.S. Embassies and Consulates worldwide on the health risks of PM2.5 exposures.

WITHIN EPA

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Adverse Outcome Pathways (AOPs) Briefing. On January 17th, Michelle Angrish will be briefing the ORD Chemical Safety for Sustainability (CSS) National Research Program partners on the Human Health and Risk Assessment (HHRA) work on AOPs. The collection of HHRA AOP work specifically focuses on how AOPs can be applied more effectively with a particular focus on integrating those pathways into the risk assessment process.

PRODUCTS AND PUBLICATIONS

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"Alternative approaches for acute inhalation toxicity testing to address global regulatory and non-regulatory data requirements: An international workshop report". Annie Jarabek, Barbara Buckley, and other federal and private sector colleagues, published *"Alternative approaches for acute inhalation toxicity testing to address global regulatory and non-regulatory data requirements: An international workshop report".* The manuscript is based on a workshop sponsored by the NTP Interagency Center for the Evaluation of Alternative Toxicological Methods (NICEATM) and PETA International Science Consortium (PISC) Ltd. involving an international group of experts discussing progress and challenges associated with the development, validation, and implementation of alternatives to acute inhalation animal testing. This work falls under HHRA Task 8.3 (HHRA 4.223). (doi: 10.1016/j.tiv.2017.12.011.)

"Factors associated with NO2 and NOX concentration gradients near a highway". Jen Richmond-Bryant (ORD/NCEA-RTP) authored a publication in Atmospheric Environment entitled, *"Factors associated with NO2 and NOX concentration gradients near a highway"*. The paper is the second in a series and presents a multivariate model of factors influencing the size of the near-road gradient of NO2 and NOX downwind of an interstate highway, and the work is intended to inform our understanding of near-road exposures. Co-authors on this paper include Michelle Snyder (UNC), Chris Owen (OAQPS), and Sue Kimbrough (NRMRL). Find the publication at https://authors.elsevier.com/a/1WGMT4pTZHSDv7.

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