

Toxicology Division Research Projects

Fiscal Year	Title of Study	Work Product or Status
2022-2024	Ambient Monitoring of Particulates, Including Crystalline Silica, Near APO Facilities Final Report	Report
2021	Factors contributing to cyanobacteria blooms and cyanotoxin production and release	Report
2021	Review of cyanotoxin toxicity and health-based screening level derivation	Report
2021	Epidemiologic evaluation of risk factors potentially affecting health outcomes in Texas communities near industrial operations	Report
2021	Evaluation of cancer risk levels underlying final cleanup levels at superfund sites in USEPA Region 6	Report
2021	Chemicals of interest in biosolids	Report
2021	TCEQ Biosolids Plain Language Guide	Presentation
2021	Simulation-based assessments of chronic risk concentration-response functions and of confounding in particulate matter epidemiology studies	Journal Articles under Review
2019	Dose-response for assessing the cancer risk of inorganic arsenic in drinking water	Journal Article
2018	Interpreting ozone concentrations from observational studies in the context of the United States ozone regulatory standard	Journal Article
2018	Short-term ozone exposure and asthma severity: weight- of-evidence analysis	Journal Article
2017	Concentration-response of short-term ozone exposure and hospital admissions for asthma in Texas	Journal Article
2017	Ambient ozone and asthma hospital admissions in Texas: a time-series analysis	Journal Article
2016	Quantitative assessment of lung and bladder cancer risk and oral exposure to inorganic arsenic	Journal Article
2015	Assessing carcinogenicity of oral exposure to hexavalent chromium for toxicity factor development	Journal Article 1 Journal Article 2 Journal Article 3
2015	Report from the Independent Workshop on Ozone: NAAQS Science and Policy	http://www.tera.org/Peer/ozone/ Report

2015	Economic Impacts of a Proposed 65 ppb National Ambient Air Quality Standard for Ozone on the State of Texas	Report
2014	Analysis of the Benefits from Proposed Carbon Pollution Emission Guidelines for Existing Power Plants	Report
	Ozone Exposure and Systemic Biomarkers: Evaluation of Evidence for Adverse Cardiovascular Health Impacts	Journal Article
2014	Review of Next Generation Risk Assessments: Incorporation of Recent Advances in Molecular, Computational, and Systems Biology	Comments Journal Article
2014	Long-Range Fine Particulate Matter from the 2002 Quebec Forest Fires and Daily Mortality in Greater Boston and New York City	Journal Article
2014	Review of Welfare Effects of Ozone	Report
2014	Commentary on the Elements of the NAAQS	Journal Article
2014	Rethinking Meta-Analysis: Applications for Air Pollution Data and Beyond	Journal Article
2014	Weight of Evidence Approach for Chemicals with Limited Toxicity Data (silanes and siloxanes)	https://tera.org/Alliance%20for%20Risk/WeightofEvidence.htm
2014	Review of Carbon Disulfide Acute and Chronic Toxicity	Report
2013	Review of Isoprene Carcinogenic Potential	Report
	Review of Hexavalent Chromium Carcinogenic Potential	Report
2010	Hillcrest Community Environmental Investigation (HCEI)	Phase I Report
2011	Hillcrest Community Environmental Investigation (HCEI)	Phase II Report
2009	Expert External Peer Review of the Development Support Document for Nickel Report of Conference Call	Report
2009	Houston Exposure to Air Toxics (HEATS)	Report
2008 \$ 2009	Midlothian, TX, Ambient Air Collection and Analytical Chemical Analysis	Report

2008 & 2009	Houston Air Toxics Biomarkers of Exposure Study (HATBES)	Report
2007	Air Pollutant Concentrations Near Texas Roadways	Report