

Agenda for FY18 EPA Technical Information Exchange  
 Hosted by the National Enforcement Investigations Center  
 August 21-23, 2018  
 Denver, Colorado

Time	Topic	Presenter	Affiliation
<b>August 21</b>			
8:30 am	Welcome and introductions	E. Canzler	EPA:NEIC
8:50 am	EPA ORD regional research – updates and opportunities	S. Dymont	EPA:ORD
9:00 am	NEIC advanced air monitoring update	B. Squier	EPA:NEIC
9:30 am	Colorado air monitoring mobile laboratory	D. Bon	CDPHE
10:00 am	EPA Region 8 oil and gas monitoring initiatives	C. Beeler	EPA:R8
10:30 am	Break		
10:45 am	Compliance field testing using a portable emission analyzer and high-volume sampler	M. Stovern	EPA:R8
11:15 am	Air pollutant source investigation using next generation emission measurements and models; early case study of 1,3-butadiene emissions in Louisville, Kentucky	E. Thoma	EPA:ORD
12:00 pm	Lunch		
1:15 pm	New monitoring and detection methodology for methane emissions from oil and gas	C. Alden	U. of Colorado Boulder
1:45 pm	Characterization of urban-industrial emissions with airborne thermal-infrared hyperspectral imaging	D. Tratt	Aerospace Corporation
2:15 pm	Towards a better understanding of the accuracy of OTM 33A	R. Edie	U. of Wyoming
2:45 pm	Break		
3:00 pm	Mobile ORS measurements of fugitive emissions from refineries, oil and gas production, dairy production, CAFOs, and more for SCAQMD	M. Ericsson	FluxSense, Inc.
3:30 pm	Satellite imagery: enhancing oil spill detection and response capabilities Maritime radiation detection program	D. Tulis	US Coast Guard
4:30 pm	Brewing flavor chemistry: analytical challenges and opportunities	D. Sedin	New Belgium Brewing Company
5:00 pm	Adjourn followed by happy hour		
<b>August 22</b>			
8:30 am	Optional breakfast networking session		
10:30 am	IMPRESS and Bromide Sensor Update	D. Vanlerberghe, D. Parker,	EPA:NEIC
11:00 am	Three chapters of PFAS analyses at NEIC	D. Hurlbut	EPA:NEIC
11:30 am	NHSRC water security sensor and field scale research overview	J. Hall	EPA:NHSRC
12:00 pm	Lunch		
1:15 pm	Automation of environmental sensors for homeland security stormwater monitoring applications	A. Mikelonis	EPA:NHSRC

1:45 pm	Poly- and perfluoroalkyl substance forensics by high resolution mass spectrometry: what may be possible, and what likely isn't	C. Higgins	Colorado School of Mines
2:15 pm	Assessment of optically based measurements of organic matter for differentiation of source waters and treated wastewaters	S. Ulliman	U. of Colorado Boulder
2:45 pm	Break		
3:00 pm	Applications of laser-ablation mass-spectrometry	A. Koenig	USGS
3:30 pm	The measurement and application of isotope ratios by MC-ICP-MS	M. Pribil	USGS
4:00 pm	Detection of erionite and other zeolite fibers in soil by the fluidized bed preparation methodology	D. Berry	EPA:R8
4:30 pm	Using radiogenic variations in isotope composition for pollutant source identification, confirmation, and apportionment	M. Ketterer	U. of Northern Arizona
<b>August 23</b>			
8:30 am	Using Copernicus Sentinel and Planet Labs satellites for environmental monitoring	C. Middleton	USDOI:OSMRE
9:00 am	Establishing risk-based action levels for unique exposure scenarios in response to illegal pesticide applications	K. Keteles	EPA:NEIC
9:30 am	Applications of the PhyloChip to microbial community analysis	S Baker	EPA:R7
10:00 am	Break		
10:15 am	Management of produced water from hydraulic fracturing using biological treatment	K. Sitterley	U. of Colorado Boulder
10:45 am	Fentanyl and fentanyl analogs fact sheet	D. Bright	EPA:OEM
11:15 am	The key characteristics of carcinogens as an organizing principle for exploring mechanistic evidence: ethylene oxide as a case study	J. Fritz	EPA:NEIC
11:45 am	Mysteries at the biotic interface	C. Weis	DHHS:NIEHS
12:15 pm	Wrap-up	F. Cruz	EPA:NEIC
12:30 pm	Adjourn		