



# **NIOSH BIBLIOGRAPHY OF COMMUNICATION AND RESEARCH PRODUCTS**

## **2011**

A Listing of NIOSH Publications for Calendar Year 2011

Department of Health and Human Services  
Centers for Disease Control and Prevention  
National Institute for Occupational Safety and Health  
Washington, DC  
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## FOREWORD

We strive for excellence in our scientific endeavors and in the publications of our work. This bibliography is our effort to provide the best scientific information possible to maintain and improve safety and health at work. I believe that this bibliography reflects and reinforces the NIOSH values of relevance, quality, and impact, and it demonstrates the consistent commitment of NIOSH and our partners to all workers as they face challenges to be safe and healthy while contributing to our nation's productivity. Please explore these products further and distribute them freely in workplaces and to our colleagues in the occupational safety and health community.

A handwritten signature in black ink, appearing to read "J. Howard", with a long horizontal flourish extending to the right.

John Howard, M.D.  
Director, National Institute for Occupational  
Safety and Health



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## I. JOURNAL ARTICLES

- 0001.** Achutan C, West C, Mueller C, Bernert JT, Bernard B [2011]. Environmental tobacco smoke exposure among casino dealers. *J Occup Environ Med* 53(4):346–351.  
*NORA: Services*
- 0002.** ACOEM Nanoparticle Task Force, Fishman M, Kosnett M, Lichty P, Howard J [2011]. ACOEM guidance statement: nanotechnology and health. *J Occup Environ Med* 53(6):687–689.
- 0003.** Ahrenholz SH, Sylvain DC [2011]. Case study: Deepwater Horizon response workers exposure assessment at the source: MC252 Well No. 1. *J Occup Environ Hyg* 8(6):D43–D50.  
*NORA: Services*
- 0004.** Akgul Y, Derk RC, Meighan T, Rao KMK, Muroso EP [2011]. The methoxychlor metabolite, HPTE, inhibits rat luteal cell progesterone production. *Reprod Toxicol* 32(1):77–84.  
*NORA: Manufacturing*
- 0005.** Alarcon WA, Graydon JR, Calvert GM [2011]. Adult blood lead epidemiology and surveillance—United States, 2008–2009. *JAMA* 306(6):602–605.  
*NORA: Manufacturing*
- 0006.** Alarcon WA, Graydon JR, Calvert GM [2011]. Adult blood lead epidemiology and surveillance—United States, 2008–2009. *MMWR* 60(25):841–845.  
*NORA: Manufacturing*
- 0007.** Amandus H, Bell J, Tiesman H, Biddle E [2011]. The epidemiology of slips, trips, and falls in a helicopter manufacturing plant. *Hum Factors* [Epub ahead of print, 2011 Apr].
- 0008.** Amick BC III, Menéndez CC, Bazzani L, Robertson M, DeRango K, Rooney T, Moore A [2011]. A field intervention examining the impact of an office ergonomics training and a highly adjustable chair on visual symptoms in a public sector organization. *Appl Ergon* [Epub ahead of print, 2011 Oct].  
*NORA: Construction / Transportation / Warehousing and Utilities*
- 0009.** Anderson JL, Waters MA, Hein MJ, Schubauer-Berigan MK, Pinkerton LE [2011]. Assessment of occupational cosmic radiation exposure of flight attendants using questionnaire data. *Aviat Space Environ Med* 82(11):1049–1054.  
*NORA: Transportation / Warehousing and Utilities / Manufacturing*
- 0010.** Anderson SE, Franko J, Lukomska E, Meade BJ [2011]. Potential immunotoxicological health effects following exposure to COREXIT 9500a during cleanup of the Deepwater Horizon oil spill. *J Toxicol Environ Health, A* 74(21):1419–1430.
- 0011.** Anderson SE, Siegel PD, Meade BJ [2011]. The LLNA: a brief review of recent advances and limitations. *J Allergy* 2011:424203.

## ***I. Journal Articles***

**0012.** Antonini JM, Keane M, Chen BT, Stone S, Roberts JR, Schwegler-Berry D, Andrews RN, Frazer DG, Sriram K [2011]. Alterations in welding process voltage affect the generation of ultrafine particles, fume composition, and pulmonary toxicity. *Nanotoxicology* 5(4):700–710.  
*NORA: Manufacturing*

**0013.** Antonini JM, Roberts JR, Stone S, Chen BT, Schwegler-Berry D, Chapman R, Zeidler-Erdely PC, Andrews RN, Frazer DG [2011]. Persistence of deposited metals in the lungs after stainless steel and mild steel welding fume inhalation in rats. *Arch Toxicol* 85(5):487–498.  
*NORA: Manufacturing*

**0014.** Archer-Hartmann SA, Sargent LM, Lowry DT, Holland LA [2011]. Microscale exoglycosidase processing and lectin capture of glycans with phospholipid assisted capillary electrophoresis separations. *Anal Chem* 83(1):2740–2747.  
*NORA: Manufacturing*

**0015.** Asfaw A, Pana-Cryan R, Rosa R [2011]. The business cycle and the incidence of workplace injuries: evidence from the U.S.A. *J Saf Res* 42(1):1–8.

**0016.** Ashley K [2011]. Measurement of ultra-trace beryllium in occupational hygiene samples by extraction and fluorescence detection. *J Chem Health Saf* 18(5):26–33.

**0017.** Ashley K, Wise TJ, Esswein EJ [2011]. Evaluation of a handwipe disclosing method for lead. *J ASTM Int* 8(4):JAI103390.  
*NORA: Manufacturing*

**0018.** Ashley K, Wise TJ, Marlow D, Agrawal A, Cronin JP, Adams L, Ashley E, Lee PA [2011]. Trace beryllium determination in polyvinyl alcohol wipes by extraction and fluorescence detection: interlaboratory analysis. *Anal Methods* 3(8):1906–1909.  
*NORA: Manufacturing / Services*

**0019.** Ashley KE, Brisson MJ, White KT [2011]. Review of standards for surface and dermal sampling. *J ASTM Int* 8(6):JAI103678.  
*NORA: Manufacturing*

**0020.** Azman AS, Hudak RL [2011]. An evaluation of sound restoration hearing protection devices and audibility issues in mining. *Noise Control Eng J* 59(6):622–630.

**0021.** Azman AS, Randolph RF, Hudak RL [2011]. NIOSH tools for hearing loss prevention programs. *Trans Soc Min Metal Explor* 2011(328):564–567.  
*NORA: Mining*

**0022.** Bajpayee TS, Ellenberger JL, Prosser LJ, Schilling SR [2011]. Roof-fall hazard field study using microseismic monitoring in a U.S. limestone mine. *J Mines Met Fuels* 59(10):304–309.

**0023.** Baldwin TN, Hales TR, Niemeier MT [2011]. Controlling diesel exhaust exposure inside firehouses. *Fire Eng* 164(2):63–64, 66, 68, 70–74.  
*NORA: Services: Public Safety*

- 0024.** Baughman P, Marott JL, Lange P, Andrew M, Hnizdo E [2011]. Health outcomes associated with lung function decline and respiratory symptoms and disease in a community cohort. *COPD* 8(2):103–113.
- 0025.** Bealko SB, Alexander DW, Chasko LL, Grayson RL [2011]. Mine rescue training facility inventory—compendium of ideas to improve US coal mine rescue training. *Trans Soc Min Metal Explor* 2011(328):517–524.
- 0026.** Beane Freeman LE, Rusiecki JA, Hoppin JA, Lubin JH, Koutros S, Andreotti G, Hoar Zahm S, Hines CJ, Coble JB, Barone-Adesi F, Sloan J, Sandler DP, Blair A, Alavanja MCR [2011]. Atrazine and cancer incidence among pesticide applicators in the Agricultural Health Study (1994–2007). *Environ Health Perspect* 119(9):1253–1259.  
*NORA: Agriculture, Forestry and Fishing*
- 0027.** Beezhold K, Liu J, Kan H, Meighan T, Castranova V, Shi X, Chen F [2011]. miR-190-mediated downregulation of PHLPP contributes to arsenic-induced Akt activation and carcinogenesis. *Toxicol Sci* 123(2):411–420.  
*NORA: Manufacturing / Mining*
- 0028.** Behm M, Lentz T, Heidel D, Gambatese J [2011]. Prevention through design & green buildings—a U.S. perspective on collaboration. *Blueprints* 10(3):28–34.
- 0029.** Bell J, Rogers VW, Dietz WH, Ogden CL, Schuler C, Popovic T [2011]. CDC Grand Rounds: childhood obesity in the United States. *MMWR* 60(2):42–46.
- 0030.** Bergman MS, Viscusi DJ, Palmiero AJ, Powell JB, Shaffer RE [2011]. Impact of three cycles of decontamination treatments on filtering facepiece respirator fit. *J Int Soc Respir Prot* 28(1):48–59.  
*NORA: Healthcare and Social Assistance*
- 0031.** Bhattacharya A, Leigh JP [2011]. Musculoskeletal disorder costs and medical claim filing in the US retail trade sector. *Ind Health* 49(4):517–522.
- 0032.** B’Hymer C [2011]. Validation of an HPLC-MS-MS method for the determination of urinary S-benzylmercapturic acid and S-phenylmercapturic acid. *J Chromatogr Sci* 49(7):547–553.  
*NORA: Healthcare and Social Assistance / Services*
- 0033.** B’Hymer C, Mathias P, Krieg E Jr., Cheever KL, Toennis CA, Clark JC, Kesner JS, Gibson RL, Butler MA [2011]. (2-Methoxyethoxy)acetic acid: a urinary biomarker of exposure for jet fuel JP-8. *Int Arch Occup Environ Health* [Epub ahead of print, 2011 Aug].  
*NORA: Healthcare and Social Assistance / Services*
- 0034.** Birch ME [2011]. Exposure and emissions monitoring during carbon nanofiber production—part II: polycyclic aromatic hydrocarbons. *Ann Occup Hyg* 55(9):1037–1047.  
*NORA: Manufacturing*

## ***I. Journal Articles***

**0035.** Birch ME, Ku B-K, Evans DE, Ruda-Eberenz TA [2011]. Exposure and emissions monitoring during carbon nanofiber production—part I: elemental carbon and iron-soot aerosols. *Ann Occup Hyg* 55(9):1016–1036.

*NORA: Manufacturing*

**0036.** Blachere FM, Cao G, Lindsley WG, Noti JD, Beezhold DH [2011]. Enhanced detection of infectious airborne influenza virus. *J Virol Methods* 176(1–2):120–124.

**0037.** Blair A, Thomas K, Coble J, Sandler DP, Hines CJ, Lynch CF, Knott C, Purdue MP, Hoar Zahm S, Alavanja MCR, Dosemeci M, Kamel F, Hoppin JA, Beane Freeman L, Lubin JH [2011]. Impact of pesticide exposure misclassification on estimates of relative risks in the Agricultural Health Study. *Occup Environ Med* 68(7):537–541.

*NORA: Agriculture, Forestry and Fishing*

**0038.** Bledsoe ML, Pinkerton LE, Silver S, Deddens JA, Biagini RE [2011]. Thyroxine and free thyroxine levels in workers occupationally exposed to inorganic lead. *Environ Health Insights* 5:55–61.

*NORA: Manufacturing*

**0039.** Bobick TG, McKenzie EA Jr. [2011]. Construction guardrails: development of a multifunctional system. *Prof Saf* 56(1):48–54.

*NORA: Construction*

**0040.** Bowler RM, Gocheva V, Harris M, Ngo L, Abdelouahab N, Wilkinson J, Doty RL, Park R, Roels HA [2011]. Prospective study on neurotoxic effects in manganese-exposed bridge construction welders. *Neurotoxicology* 32(5):596–605.

**0041.** Brown LP, Rospenda KM, Sokas RK, Conroy L, Freels S, Swanson NG [2011]. Evaluating the association of workplace psychosocial stressors with occupational injury, illness, and assault. *J Occup Environ Hyg* 8(1):31–37.

**0042.** Brueck SE, Chen L, Niemeier M [2011]. Evaluation of exposure to organic solvents. *Screen Print* 2011 Feb:30–33.

*NORA: Services*

**0043.** Buck Louis GM, Schisterman EF, Sweeney AM, Wilcosky TC, Gore-Langton RE, Lynch CD, Barr DB, Schrader SM, Kim S, Chen Z, Sundaram R [2011]. Designing prospective cohort studies for assessing reproductive and developmental toxicity during sensitive windows of human reproduction and development—the LIFE Study. *Paediatr Perinat Epidemiol* 25(5):413–424.

**0044.** Buckley TJ, Geer LA, Connor TH, Robertson S, Sammons D, Smith J, Snawder J, Boeniger M [2011]. A pilot study of workplace dermal exposures to cypermethrin at a chemical manufacturing plant. *J Occup Environ Hyg* 8(10):600–608.

**0045.** Buczek FL, Sinsel EW, Gloekler DS, Wimer BM, Warren CM, Wu JZ [2011]. Kinematic performance of a six degree-of-freedom hand model (6DHand) for use in occupational biomechanics. *J Biomech* 44(9):1805–1809.

- 0046.** Burnett G [2011]. Seasonal safety: 4 summertime hazards and what to do about them. *Turf* 24(7):A13–A14.
- 0047.** Burr GA, Page EH, Niemeier MT [2011]. Visual disturbances related to amine exposure. *Ind Specialty Printing* 2(1):10–11.  
*NORA: Services*
- 0048.** Burt S, Crombie K, Jin Y, Wurzelbacher S, Ramsey J, Deddens J [2011]. Workplace and individual risk factors for carpal tunnel syndrome. *Occup Environ Med* 68(12):928–933.  
*NORA: Manufacturing / Services*
- 0049.** Bushnell PT, Li J, Landen D [2011]. Group medical claims as a source of information on worker health and potentially work-related diseases. *J Occup Environ Med* 53(12):1430–1441.
- 0050.** Buskirk AD, Hettick JM, Chipinda I, Law BF, Siegel PD, Slaven JE, Green BJ, Beezhold DH [2011]. Fungal pigments inhibit the matrix-assisted laser desorption/ionization time-of-flight mass spectrometry analysis of darkly pigmented fungi. *Anal Biochem* 411(1):122–128.  
*NORA: Healthcare and Social Assistance / Services*
- 0051.** Byrne DC, Davis RR, Shaw PB, Specht BM, Holland AN [2011]. Relationship between comfort and attenuation measurements for two types of earplugs. *Noise Health* 13(51):86–92.
- 0052.** Calvert GM, Ruder AM, Petersen MR [2011]. Mortality and end-stage renal disease incidence among dry cleaning workers. *Occup Environ Med* 68(10):709–716.  
*NORA: Construction*
- 0053.** Cao G, Noti JD, Blachere FM, Lindsley WG, Beezhold DH [2011]. Development of an improved methodology to detect infectious airborne influenza virus using the NIOSH bioaerosol sampler. *J Environ Monit* 13(12):3321–3328.
- 0054.** Cardis E, Armstrong BK, Bowman JD, Giles GG, Hours M, Krewski D, McBride M, Parent ME, Sadetzki S, Woodward A, Brown J, Chetrit A, Figuerola J, Hoffmann C, Jarus-Hakak A, Montestruq L, Nadon L, Richardson L, Villegas R, Vrijheid M [2011]. Risk of brain tumours in relation to estimated RF dose from mobile phones: results from five Interphone countries. *Occup Environ Med* 68(9):631–640.  
*NORA: Manufacturing / Services*
- 0055.** Cardis E, Varsier N, Bowman JD, Deltour I, Figuerola J, Mann S, Moissonnier M, Taki M, Vecchia P, Villegas R, Vrijheid M, Wake K, Wiart J [2011]. Estimation of RF energy absorbed in the brain from mobile phones in the Interphone Study. *Occup Environ Med* 68(9):686–693.  
*NORA: Manufacturing / Services*
- 0056.** Castillo DN [2011]. Parents: an under-realized resource for protecting working adolescents. *J Adolesc Health* 49(1):5–6.





## ***I. Journal Articles***

- 0079.** Daniels RD, Schubauer-Berigan MK [2011]. A meta-analysis of leukaemia risk from protracted exposure to low-dose gamma radiation. *Occup Environ Med* 68(6):457–464.  
*NORA: Manufacturing / Services*
- 0080.** Davis RR [2011]. Introduction to the special issue: hearing protection state of the art. *Noise Health* 13(51):85.
- 0081.** Davis RR, Murphy WJ, Byrne DC, Shaw PB [2011]. Acceptance of a semi-custom hearing protector by manufacturing workers. *J Occup Environ Hyg* 8(12):D125–D130.
- 0082.** Davis RR, Shaw PB [2011]. Heat and humidity buildup under earmuff-type hearing protectors. *Noise Health* 13(51):93–98.
- 0083.** Day G, LeBouf R, Grote A, Pendergrass S, Cummings K, Kreiss K, Kullman G [2011]. Identification and measurement of diacetyl substitutes in dry bakery mix production. *J Occup Environ Hyg* 8(2):93–103.  
*NORA: Manufacturing*
- 0084.** de Perio MA, Niemeier RT, Groenewold MR [2011]. The effectiveness of using interferon-gamma release assays in screening immigration employees for latent tuberculosis infection. *Int J Occup Environ Health* 17(4):322–327.  
*NORA: Services*
- 0085.** de Perio MA, Wiegand DM, Evans SM [2011]. Low influenza vaccination rates among child care workers in the United States: assessing knowledge, attitudes, and behaviors. *J Community Health* [Epub ahead of print, 2011 Sep].  
*NORA: Services*
- 0086.** Dement JM, Loomis D, Richardson D, Wolf SH, Kuempel ED [2011]. Estimates of historical exposures by phase contrast and transmission electron microscopy for pooled exposure-response analyses of North Carolina and South Carolina, USA asbestos textile cohorts. *Occup Environ Med* 68(8):593–598.
- 0087.** Diwakar P, Kulkarni PS, Birch ME [2011]. New approach for near-real-time measurement of elemental composition of aerosol using laser-induced breakdown spectroscopy. *Aerosol Sci Tech* [Epub ahead of print, 2011 Oct].  
*NORA: Manufacturing*
- 0088.** Dodrill MW, Beezhold DH, Meighan T, Kashon ML, Fedan JS [2011]. Lipopolysaccharide increases Na<sup>+</sup>, K<sup>+</sup>-pump, but not ENaC, expression in guinea-pig airway epithelium. *Eur J Pharm* 651(1–3):176–187.  
*NORA: Manufacturing*
- 0089.** Dong RG, Welcome DE, Xu XS, Warren C, McDowell TW, Wu JZ [2011]. 3-D mechanical impedances distributed at the fingers and palm of the hand. *Can Acoust* 39(2):46–47.  
*NORA: Construction*



## ***I. Journal Articles***

- 0102.** Fent K, Niemeier M [2011]. NIOSH evaluation of health hazards in a crime lab. *Evid Tech Mag* 9(3):22–25.  
*NORA: Services*
- 0103.** Fent KW, Evans DE [2011]. Assessing the risk to firefighters from chemical vapors and gases during vehicle fire suppression. *J Environ Monit* 13(3):536–543.  
*NORA: Services*
- 0104.** Fischman M, Storey E, McCunney RJ, Kosnett M [2011]. National Institute for Occupational Safety and Health Nanomaterials and Worker Health Conference—medical surveillance session summary report. *J Occup Environ Med* 53(Suppl 6):S35–S37.
- 0105.** Fisher EM, Richardson AW, Harpest SD, Hofacre KC, Shaffer RE [2011]. Reaerosolization of MS2 bacteriophage from an N95 filtering facepiece respirator by simulated coughing. *Ann Occup Hyg* [Epub ahead of print, 2011 Nov].  
*NORA: Healthcare and Social Assistance*
- 0106.** Fisher EM, Shaffer RE [2011]. A method to determine the available UV-C dose for the decontamination of filtering facepiece respirators. *J Appl Microbiol* 110(1):287–295.  
*NORA: Healthcare and Social Assistance*
- 0107.** Fisher EM, Williams JL, Shaffer RE [2011]. Evaluation of microwave steam bags for the decontamination of filtering facepiece respirators. *PLoS ONE* 6(4):e18585.  
*NORA: Healthcare and Social Assistance*
- 0108.** Forester CD, Wells JR [2011]. Hydroxyl radical yields from reactions of terpene mixtures with ozone. *Indoor Air* 21(5):400–409.
- 0109.** Fox DA, Hamilton WR, Johnson JE, Xiao W, Chaney S, Mukherjee S, Miller DB, O’Callaghan JP [2011]. Gestational lead exposure selectively decreases retinal dopamine amacrine cells and dopamine content in adult mice. *Toxicol Appl Pharmacol* 256(3):258–267.  
*NORA: Healthcare and Social Assistance / Transportation / Warehousing and Utilities*
- 0110.** Franko J, Jackson LG, Meade BJ, Anderson SE [2011]. Allergic potential and immunotoxicity induced by topical application of 1-chloro-4-(trifluoromethyl)benzene (PCBTF) in a murine model. *J Allergy* 2011:238513.
- 0111.** Frasch HF, Barbero AM, Hettick JM, Nitsche JM [2011]. Tissue binding affects the kinetics of theophylline diffusion through the stratum corneum barrier layer of skin. *J Pharm Sci* 100(7):2989–2995.
- 0112.** Frasch HF, Dotson GS, Barbero AM [2011]. In vitro human epidermal penetration of 1-bromopropane. *J Toxicol Environ Health, A* 74(19):1249–1260.  
*NORA: Manufacturing / Services*
- 0113.** Frazer DG, Reynolds JS, Jackson MC [2011]. Determining when enhanced pause (Penh) is sensitive to changes in specific airway resistance. *J Toxicol Environ Health, A* 74(5):287–295.

**0114.** Fujishiro K, Diez-Roux AV, Landsbergis P, Baron S, Barr RG, Kaufman JD, Polak JF, Stukovsky KH [2011]. Associations of occupation, job control and job demands with intima-media thickness: the Multi-Ethnic Study of Atherosclerosis (MESA). *Occup Environ Med* 68(5):319–326.

*NORA: Healthcare and Social Assistance*

**0115.** Fujishiro K, Gee GC, de Castro AB [2011]. Associations of workplace aggression with work-related well-being among nurses in the Philippines. *Am J Publ Health* 101(5):861–867.

*NORA: Manufacturing*

**0116.** Fujishiro K, Landsbergis PA, Diez-Roux AV, Stukovsky KH, Shrager S, Baron S [2011]. Factorial invariance, scale reliability, and construct validity of the job control and job demands scales for immigrant workers: the Multi-Ethnic Study of Atherosclerosis. *J Immigr Minor Health* 13(3):533–540.

*NORA: Healthcare and Social Assistance*

**0117.** Gallagher S, Pollard J, Porter WL [2011]. Electromyography of the thigh muscles during lifting tasks in kneeling and squatting postures. *Ergonomics* 54(1):91–102.

**0118.** Gallagher S, Pollard J, Porter WL [2011]. Locomotion in restricted space: kinematic and electromyographic analysis of stoopwalking and crawling. *Gait Posture* 33(1):71–76.

**0119.** Gander P, Hartley L, Powell D, Cabon P, Hitchcock E, Mills A, Popkin S [2011]. Fatigue risk management: organizational factors at the regulatory and industry/company level. *Accid Anal Prev* 43(2):573–590.

**0120.** Gao P, Jaques PA, Hsiao T-C, Shepherd A, Eimer BC, Yang M, Miller A, Gupta B, Shaffer R [2011]. Evaluation of nano- and submicron particle penetration through ten nonwoven fabrics using a wind-driven approach. *J Occup Environ Hyg* 8(1):13–22.

**0121.** Gao P, Tomasovic B, Stein L [2011]. Performance evaluation of 26 combinations of chemical protective clothing materials and chemicals after repeated exposures and decontaminations. *J Occup Environ Hyg* 8(11):625–635.

**0122.** Goldsmith WT, McKinney W, Jackson M, Law B, Bledsoe T, Siegel P, Cumpston J, Frazer D [2011]. A computer-controlled whole-body inhalation exposure system for the oil dispersant COREXIT EC9500A. *J Toxicol Environ Health, A* 74(21):1368–1380.

*NORA: Construction / Manufacturing*

**0123.** Gong F, Xu J, Fujishiro K, Takeuchi DT [2011]. A life course perspective on migration and mental health among Asian immigrants: the role of human agency. *Soc Sci Med* 73(11):1618–1626.

*NORA: Manufacturing*

**0124.** Grajewski B, Waters MA, Yong LC, Tseng C-Y, Zivkovich Z, Cassinelli RT II [2011]. Airline pilot cosmic radiation and circadian disruption exposure assessment from logbooks and company records. *Ann Occup Hyg* 55(5):465–475.

*NORA: Transportation / Warehousing and Utilities / Manufacturing*





## ***I. Journal Articles***

**0147.** Heyer N, Morata TC, Pinkerton LE, Brueck SE, Stancescu D, Prince Panaccio M, Kim H, Sinclair JS, Waters MA, Estill CF, Franks JR [2011]. Use of historical data and a novel metric in the evaluation of the effectiveness of hearing conservation program components.

*Occup Environ Med* 68(7):510–517.

*NORA: Manufacturing*

**0148.** Hickson DA, Burchfiel CM, Liu J-K, Petrini MF, Harrison K, White WB, Sarpong DF [2011]. Diabetes, impaired glucose tolerance, and metabolic biomarkers in individuals with normal glucose tolerance are inversely associated with lung function: the Jackson Heart Study. *Lung* 189(4):311–321.

**0149.** Hickson DA, Burchfiel CM, Petrini MF, Liu J, Campbell-Jenkins BW, Bhagat R, Marshall GD [2011]. Leptin is inversely associated with lung function in African Americans, independent of adiposity: the Jackson Heart Study. *Obesity*:1054–1061.

**0150.** Hickson DA, Liu J, Bidulescu A, Burchfiel CM, Taylor HA, Petrini MF [2011]. Pericardial fat is associated with impaired lung function and a restrictive lung pattern in adults: the Jackson Heart Study. *Chest* 140(6):1567–1573.

**0151.** Hines CJ, Deddens JA, Coble J, Kamel F, Alavanja MCR [2011]. Determinants of captan air and dermal exposures among orchard pesticide applicators in the Agricultural Health Study. *Ann Occup Hyg* 55(6):620–633.

*NORA: Agriculture, Forestry and Fishing*

**0152.** Hines CJ, Hopf NB, Deddens JA, Silva MJ, Calafat AM [2011]. Occupational exposure to diisononyl phthalate (DiNP) in polyvinyl chloride processing operations. *Int Arch Occup Environ Health* [Epub ahead of print, 2011 June].

**0153.** Hines CJ, Hopf NBN, Deddens JA, Silva MJ, Calafat AM [2011]. Estimated daily intake of phthalates in occupationally exposed groups. *J Expo Sci Environ Epidemiol* 21(2):133–141.

**0154.** Hirst DVL, Gressel MG, Flanders WD [2011]. Short-term monitoring of formaldehyde: comparison of two direct-reading instruments to a laboratory-based method. *J Occup Environ Hyg* 8(6):357–363.

**0155.** Hnizdo E, Berry A, Hakobyan A, Beeckman Wagner L-AF, Catlett L [2011]. Worksite wellness program for respiratory disease prevention in heavy-construction workers. *J Occup Environ Med* 53(3):274–281.

**0156.** Hnizdo E, Hakobyan A, Fleming JL, Beeckman Wagner L-AF [2011]. Periodic spirometry in occupational setting: improving quality, accuracy, and precision. *J Occup Environ Med* 53(10):1205–1209.

**0157.** Hoffman HJ, Dobie RA, Ko C-W, Themann CL, Murphy WJ [2011]. Hearing threshold levels at age 70 years (65–74 years) in the unscreened older adult population of the United States, 1959–1962 and 1999–2006. *Ear Hear* [Epub ahead of print, 2011 Dec].

*NORA: Construction / Manufacturing*



## ***I. Journal Articles***

- 0169.** Jaques PA, Hsiao T-C, Gao P [2011]. A recirculation aerosol wind tunnel for evaluating aerosol samplers and measuring particle penetration through protective clothing materials. *Ann Occup Hyg* 55(7):784–796.
- 0170.** Jia XW, Liu BC, Shi XL, Ye M, Zhang FM, Liu HF [2011]. Roles of the ERK, JNK/AP-1/cyclin D1-CDK4 pathway in silica-induced cell cycle changes in human embryo lung fibroblast cells. *Cell Biol Int* 35(7):697–704.
- 0171.** Jin CF, Sun YH, Islam A, Qian Y, Ducatman A [2011]. Perfluoroalkyl acids including perfluorooctane sulfonate and perfluorohexane sulfonate in firefighters. *J Occup Environ Med* 53(3):324–328.  
*NORA: Manufacturing*
- 0172.** Jin Y, Hein MJ, Deddens JA, Hines CJ [2011]. Analysis of lognormally distributed exposure data with repeated measures and values below the limit of detection using SAS. *Ann Occup Hyg* 55(1):97–112.  
*NORA: Mining / Manufacturing*
- 0173.** Jobes CC, Bartels JR, DuCarme JP, Lutz TJ [2011]. Visual needs evaluation of continuous miner operators. *Min Eng* 63(3):53–59.
- 0174.** Johnson VJ, Reynolds JS, Wang W, Fluharty K, Yucesoy B [2011]. Inhalation of ortho-phthalaldehyde vapor causes respiratory sensitization in mice. *J Allergy* 2011:751052.
- 0175.** Jones T, Molinda G [2011]. Can we rely on roof bolters to identify a defective roof? *Coal Age* 116(4):56–60.
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*NORA: Healthcare and Social Assistance*

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*NORA: Healthcare and Social Assistance*

**0314.** Roberge RJ, Monaghan WD, Palmiero AJ, Shaffer R, Bergman MS [2011]. Infrared imaging for leak detection of N95 filtering facepiece respirators: a pilot study. *Am J Ind Med* 54(8):628–636.

**0315.** Roberts JR, Chapman RS, Tirumala VR, Karim A, Chen BT, Schwegler-Berry D, Stefaniak AB, Leonard SS, Antonini JM [2011]. Toxicological evaluation of lung responses after intratracheal exposure to non-dispersed titanium dioxide nanorods.

*J Toxicol Environ Health, A* 74(12):790–810.

*NORA: Manufacturing*

**0316.** Roberts JR, Reynolds JS, Thompson JA, Zacccone EJ, Shimko MJ, Goldsmith WT, Jackson M, McKinney W, Frazer DG, Kenyon A, Kashon ML, Piedimonte G, Castranova V, Fedan JS [2011]. Pulmonary effects after acute inhalation of oil dispersant (COREXIT EC9500A) in rats. *J Toxicol Environ Health, A* 74(21):1381–1396.

*NORA: Construction / Manufacturing*

**0317.** Robinson CF, Sullivan PA, Li J, Walker JT [2011]. Occupational lung cancer in US women, 1984–1998. *Am J Ind Med* 54(2):102–117.

**0318.** Robinson LE, Rudisill ME, Weimar WH, Breslin CM, Shroyer JF, Morera M [2011]. Footwear and locomotor skill performance in preschoolers. *Percept Mot Skills* 113(2):534–538.

**0319.** Robson LS, Stephenson CM, Schulte PA, Amick BC III, Irvin EL, Eggerth DE, Chan S, Bielecky AR, Wang AM, Heidotting TL, Peters RH, Clarke JA, Cullen K, Rotunda CJ, Grubb PL [2011]. A systematic review of the effectiveness of occupational health and safety training. *Scand J Work, Environ & Health* [Epub ahead of print, 2011 Nov].

**0320.** Rocheleau CM, Bertke SJ, Deddens JA, Ruder AM, Lawson CC, Waters MA, Hopf NB, Riggs MA, Whelan EA [2011]. Maternal exposure to polychlorinated biphenyls and the secondary sex ratio: an occupational cohort study. *Environ Health Glob Access Sci Source* 2011(10):20.

*NORA: Manufacturing*

**0321.** Rocheleau CM, Lawson CC, Waters MA, Hein MJ, Stewart PA, Correa A, Echeverria D, Reefhuis J [2011]. Inter-rater reliability of assessed prenatal maternal occupational exposures to solvents, polycyclic aromatic hydrocarbons, and heavy metals. *J Occup Environ Hyg* 8(12):718–728.

*NORA: Manufacturing*



- 0333.** Schlecht P, O'Connor PF, Key-Schwartz R, Lunsford A, Gagnon Y [2011]. NIOSH manual of analytical methods 5th ed.: new resources and direction. *J Occup Environ Hyg* 8(7):D59–D62.
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- 0335.** Schubauer-Berigan MK, Dahm MM, Yencken MS [2011]. Engineered carbonaceous nanomaterials manufacturers in the United States: workforce size, characteristics, and feasibility of epidemiologic studies. *J Occup Environ Med* 53(Suppl 6):S62–S67.  
*NORA: Manufacturing*
- 0336.** Schubauer-Berigan MK, Deddens JA, Couch JR, Petersen MR [2011]. Risk of lung cancer associated with quantitative beryllium exposure metrics within an occupational cohort. *Occup Environ Med* 68(5):354–360.
- 0337.** Schubauer-Berigan MK, Hein MJ, Raudabaugh WM, Ruder AM, Silver SR, Spaeth S, Steenland K, Petersen MR, Waters KM [2011]. Update of the NIOSH life table analysis system: a person-years analysis program for the windows computing environment. *Am J Ind Med* 54(12):915–924.  
*NORA: Mining / Manufacturing*
- 0338.** Schuler CR, Virji MA, Deubner DC, Stanton ML, Stefaniak AB, Day GA, Park JY, Kent MS, Sparks R, Kreiss K [2011]. Sensitization and chronic beryllium disease at a primary manufacturing facility, part 3: exposure-response among short-term workers. *Scand J Work, Environ & Health* [Epub ahead of print, 2011 Aug].  
*NORA: Manufacturing*
- 0339.** Schulte P, Howard J [2011]. Genetic susceptibility and the setting of occupational health standards. *Annu Rev Public Health* 32:149–159.
- 0340.** Schulte PA, Hauser JE [2011]. The use of biomarkers in occupational health research, practice, and policy. *Toxicol Lett* [Epub ahead of print, 2011 Apr].
- 0341.** Schulte PA, Mundt DJ, Nasterlack M, Mulloy KB, Mundt KA [2011]. Exposure registries: overview and utility for nanomaterial workers. *J Occup Environ Med* 53(Suppl 6):S42–S47.
- 0342.** Schulte PA, Trout DB [2011]. Nanomaterials and worker health: medical surveillance, exposure registries, and epidemiologic research. *J Occup Environ Med* 53(Suppl 6):S3–S7.
- 0343.** Schulte PA, Trout DB, Hodson LL [2011]. Introduction to the JOEM supplement nanomaterials and worker health: medical surveillance, exposure registries, and epidemiologic research. *J Occup Environ Med* 53(Suppl 6):S1–S2.

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**0344.** Schulte PA, Trout DB, Hodson LL, eds. [2011]. Nanomaterials and worker health: medical surveillance, exposure registries, and epidemiologic research conference, July 21–23, 2010, Keystone, Colorado. *J Occup Environ Med* 53(Suppl 6):S1–S112.

**0345.** Sellamuthu R, Umbright C, Chapman R, Leonard S, Li S, Kashon M, Joseph P [2011]. Transcriptomics evaluation of hexavalent chromium toxicity in human dermal fibroblasts. *J Carcinog Mutagen* 2(1):116.

**0346.** Sellamuthu R, Umbright C, Li S, Kashon M, Joseph P [2011]. Mechanisms of crystalline silica-induced pulmonary toxicity revealed by global gene expression profiling. *Inhal Toxicol* 23(14):927–937.

*NORA: Construction / Manufacturing*

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**0348.** Sercombe JK, Green BJ, Rimmer J, Burton PK, Katelaris CH, Tovey ER [2011]. London Plane Tree bioaerosol exposure and allergic sensitization in Sydney, Australia.

*Ann Allergy, Asthma, & Immun* 107(6):493–500.

**0349.** Sessink PJM, Connor TH, Jorgenson JA, Tyler TG [2011]. Reduction in surface contamination with antineoplastic drugs in 22 hospital pharmacies in the US following implementation of a closed-system drug transfer device. *J Oncol Pharm Pract* 17(1):39–48.

**0350.** Seymour B, Martin L, Clark C, Stepan M, Jacksha R, Pakalnis R, Roworth M, Caceres C [2011]. A shotcrete adhesion test system for mining applications. *Trans Soc Min Metal Explor* 2011(328):533–541.

*NORA: Mining*

**0351.** Shogren ES, Park JH [2011]. Pre-sampling contamination of filters used in measurements of airborne (1→3)- $\beta$ -D-glucan based on glucan-specific *Limulus* amoebocyte lysate assay.

*J Environ Monit* 13(4):1082–1087.

*NORA: Services*

**0352.** Silbergeld EK, Contreras EQ, Hartung T, Hirsch C, Hogberg H, Jachak AC, Jordan W, Landsiedel R, Morris J, Patri A, Pounds JG, Ruiz AD, Shvedova A, Tanguay R, Tatarazako N, van Vliet E, Walker NJ, Wiesner M, Wilcox N, Zurlo J [2011]. t<sup>4</sup> workshop report. Nanotoxicology: “the end of the beginning”—signs on the roadmap to a strategy for assuring the safe application and use of nanomaterials. *ALTEX* 28(3):236–241.

*NORA: Manufacturing*

**0353.** Simeonov P, Hsiao H, Powers J, Ammons D, Kau T, Amendola A [2011]. Postural stability effects of random vibration at the feet of construction workers in simulated elevation.

*Appl Ergon* 42(5):672–681.

- 0354.** Singh U, Reponen T, Cho KJ, Grinshpun SA, Adhikari A, Levin L, Indugula R, Green BJ [2011]. Airborne endotoxin and  $\beta$ -D-glucan in PM<sub>1</sub> in agricultural and home environments. *Aerosol Air Qual Res* 11(4):376–386.  
*NORA: Healthcare and Social Assistance / Services*
- 0355.** Smith AK, Zimmerman JJ, Michael R, Kovalchik PG [2011]. Modified tail section reduces noise on a continuous mining machine. *Min Eng* 63(7):83–85.
- 0356.** Smith JP, Biagini RE, Johnson BC, Olsen LD, Mackenzie BA, Robertson SA, Sammons DL, Striley CAF, Walker CV, Snawder JE [2011]. Assessment of exposure to PACs in asphalt workers: measurement of urinary PACs and their metabolites with an ELISA kit. *Polycycl Aromat Compd* 31(4):270–285.
- 0357.** Snawder JE, Striley CAF, Esswein EJ, Hessel J, Sammons DL, Robertson SA, Johnson BC, MacKenzie BA, Smith JP, Walker CV [2011]. Use of direct reading surface sampling methods for site characterization and remediation of methamphetamine contaminated properties. *J ASTM Int* 8(6):JAI103481.
- 0358.** Snyder BN, Cho YJ, Qian Y, Coad JE, Flynn DC, Cunnick JM [2011]. AFAP1L1 is a novel adaptor protein of the AFAP family that interacts with cortactin and localizes to invadosomes. *Eur J Cell Biol* 90(5):376–389.  
*NORA: Manufacturing*
- 0359.** Somervell PD, Conway GA [2011]. Does the small farm exemption cost lives? *Am J Ind Med* 54(6):461–466.  
*NORA: Agriculture, Forestry and Fishing*
- 0360.** Song Y, Li X, Wang L, Rojanasakul Y, Castranova V, Li H, Ma J [2011]. Nanomaterials in humans: identification, characteristics, and potential damage. *Toxicol Pathol* 39(5):841–849.  
*NORA: Manufacturing*
- 0361.** Sorensen JA, Conway GA, DeSpain MS, Wyckoff S, Bayes B, May JJ [2011]. Dealing with pre-ROPS tractors: Is a trade-in program the solution? *J Agromed* 16(1):30–39.  
*NORA: Agriculture, Forestry and Fishing*
- 0362.** Sorensen JA, McKenzie T Jr., Purschwitz M, Fiske T, Jenkins PL, O’Hara P, May JJ [2011]. Results from inspections of farmer-installed rollover protective structures. *J Agromed* 16(1):19–29.  
*NORA: Agriculture, Forestry and Fishing*
- 0363.** Springs M, Wells JR, Morrison GC [2011]. Reaction rates of ozone and terpenes adsorbed to model indoor surfaces. *Indoor Air* 21(4):319–327.  
*NORA: Healthcare and Social Assistance / Services*
- 0364.** Sriram K, Lin GX, Jefferson AM, Goldsmith WT, Jackson M, McKinney W, Frazer DG, Robinson VA, Castranova V [2011]. Neurotoxicity following acute inhalation exposure to the oil dispersant COREXIT EC9500A. *J Toxicol Environ Health, A* 74(21):1405–1418.  
*NORA: Manufacturing*







**0398.** Virji MA, Park JY, Stefaniak AB, Stanton ML, Day GA, Kent MS, Kreiss K, Schuler CR [2011]. Sensitization and chronic beryllium disease at a primary manufacturing facility, part 1: historical exposure reconstruction. *Scand J Work, Environ & Health* [Epub ahead of print, 2011 Aug].

**0399.** Virji MA, Stefaniak AB, Day GA, Stanton ML, Kent MS, Kreiss K, Schuler CR [2011]. Characteristics of beryllium exposure to small particles at a beryllium production facility. *Ann Occup Hyg* 55(1):70–85.  
*NORA: Manufacturing*

**0400.** Viscusi DJ, Bergman MS, Novak DA, Faulkner KA, Palmiero A, Powell J, Shaffer RE [2011]. Impact of three biological decontamination methods on filtering facepiece respirator fit, odor, comfort, and donning ease. *J Occup Environ Hyg* 8(7):426–436.  
*NORA: Healthcare and Social Assistance*

**0401.** Waggoner JK, Kullman GJ, Henneberger PK, Umbach DM, Blair A, Alavanja MCR, Kamel F, Lynch CF, Knott C, London SJ, Hines CJ, Thomas KW, Sandler DP, Lubin JH, Beane Freeman LE, Hoppin JA [2011]. Mortality in the Agricultural Health Study, 1993–2007. *Am J Epidemiol* 173(1):71–83.  
*NORA: Agriculture, Forestry and Fishing*

**0402.** Wang L, Luanpitpong S, Castranova V, Tse W, Lu Y, Pongrakhananon V, Rojanasakul Y [2011]. Carbon nanotubes induce malignant transformation and tumorigenesis of human lung epithelial cells. *Nano Lett* 11(7):2796–2803.  
*NORA: Manufacturing*

**0403.** Wang S, Myers JR, Layne LA [2011]. Injuries to hired crop workers in the United States—a descriptive analysis of a national probability survey. *Am J Ind Med* 54(10):734–747.  
*NORA: Agriculture, Forestry and Fishing*

**0404.** Wang SS, Hartge P, Yeager M, Carreón T, Ruder AM, Linet M, Inskip PD, Black A, Hsing AW, Alavanja M, Beane-Freeman L, Safaiean M, Chanock SJ, Rajaraman P [2011]. Joint associations between genetic variants and reproductive factors in glioma risk among women. *Am J Epidemiol* 174(8):901–908.

**0405.** Wang X, Xia T, Addo Ntim S, Ji Z, Lin S, Meng H, Chung C-H, George S, Zhang H, Wang M, Li N, Yang Y, Castranova V, Mitra S, Bonner JC, Nel AE [2011]. Dispersal state of multiwalled carbon nanotubes elicits profibrogenic cellular responses that correlate with fibrogenesis biomarkers and fibrosis in the murine lung. *ACS Nano* 5(12):9772–9787.  
*NORA: Manufacturing*

**0406.** Waring MS, Wells JR, Siegel JA [2011]. Secondary organic aerosol formation from ozone reactions with single terpenoids and terpenoid mixtures. *Atmos Environ* 45(25):4235–4242.

**0407.** Warren GL, Hulderman T, Liston A, Simeonova PP [2011]. Toll-like and adenosine receptor expression in injured skeletal muscle. *Muscle Nerve* 44(1):85–92.

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- 0408.** Waters T, Baptiste A, Short M, Plante-Mallon L, Nelson A [2011]. AORN ergonomic tool 1: lateral transfer of a patient from a stretcher to an OR bed. *AORN J* 93(3):334–339.
- 0409.** Waters T, Baptiste A, Short M, Plante-Mallon L, Nelson A [2011]. AORN ergonomic tool 6: lifting and carrying supplies and equipment in the perioperative setting. *AORN J* 94(2):173–179.
- 0410.** Waters T, Lloyd JD, Hernandez E, Nelson A [2011]. AORN ergonomic tool 7: pushing, pulling, and moving equipment on wheels. *AORN J* 94(3):254–260.
- 0411.** Waters T, Short M, Lloyd J, Baptiste A, Butler L, Petersen C, Nelson A [2011]. AORN ergonomic tool 2: positioning and repositioning the supine patient on the OR bed. *AORN J* 93(4):445–449.
- 0412.** Waters T, Spera P, Petersen C, Nelson A, Hernandez E, Applegarth S [2011]. AORN ergonomic tool 3: lifting and holding the patient’s legs, arms, and head while prepping. *AORN J* 93(5):589–592.
- 0413.** Waters TR, Dick RB, Krieg EF Jr. [2011]. Trends in work-related musculoskeletal disorders: a comparison of risk factors for symptoms using quality of work life data from the 2002 and 2006 General Social Survey. *J Occup Environ Med* 53(9):1013–1024.  
*NORA: Wholesale and Retail Trade*
- 0414.** Waters TR, Lu M-L, Piacitelli LA, Werren D, Deddens JA [2011]. Efficacy of the revised NIOSH lifting equation to predict risk of low back pain due to manual lifting: expanded cross-sectional analysis. *J Occup Environ Med* 53(9):1061–1067.
- 0415.** Waters TR, Lu M-L, Werren D, Piacitelli L [2011]. Human posture simulation to assess cumulative spinal load due to manual lifting. Part I: methods. *Theor Issues Ergon Sci* 12(2):176–188.
- 0416.** Welcome DE, Dong RG, Xu XS, Warren C, McDowell TW, Wu JZ [2011]. Investigation of the 3-D vibration transmissibility on the human hand-arm system using a 3-D scanning laser vibrometer. *Can Acoust* 39(2):44–45.  
*NORA: Construction*
- 0417.** West C, Ramsey J, Niemeier MT [2011]. NIOSH ergonomic evaluation of musculoskeletal disorders at a steel grating manufacturing plant. *Iron Steel Technol* 8(4):36–37.  
*NORA: Services*
- 0418.** Wichitnithad W, O’Callaghan JP, Miller DB, Train BC, Callery PS [2011]. Time-dependent slowly-reversible inhibition of monoamine oxidase A by N-substituted 1,2,3,6-tetrahydropyridines. *Bioorg Med Chem* 19(24):7482–7492.  
*NORA: Manufacturing*

- 0419.** Wilder LC, Langley RL, Middleton DC, Ernst K, Lummus ZL, Streicher RP, Campbell DS, Wattigney WA, Bernstein JA, Bernstein DI, Dearwent SM [2011]. Communities near toluene diisocyanate sources: an investigation of exposure and health. *J Expo Sci Environ Epidemiol* 21(6):587–594.
- 0420.** Williams WJ, Coca A, Roberge R, Shepherd A, Powell J, Shaffer RE [2011]. Physiological responses to wearing a prototype firefighter ensemble compared with a standard ensemble. *J Occup Environ Hyg* 8(1):49–57.  
*NORA: Services: Public Safety*
- 0421.** Wirth M, Burch J, Violanti J, Burchfiel C, Fekedulegn D, Andrew M, Zhang HM, Miller DB, Hebert JR, Vena JE [2011]. Shiftwork duration and the awakening cortisol response among police officers. *Chronobiol Int* 28(5):446–457.  
*NORA: Services: Public Safety*
- 0422.** Wirth O [2011]. Commentary from Oliver Wirth on “complexity and safety” by Rosa Antonia Carrillo. *J Saf Res* 42(4):309.  
*NORA: Services / Wholesale and Retail Trade*
- 0423.** Wise ME, de Perio M, Halpin J, Jhung M, Magill S, Black SR, Gerber SI, Harriman K, Rosenberg J, Borlaug G, Finelli L, Olsen SJ, Swerdlow DL, Kallen AJ [2011]. Transmission of pandemic (H1N1) 2009 influenza to healthcare personnel in the United States. *Clin Infect Dis* 52(Suppl 1):S198–S204.  
*NORA: Services*
- 0424.** Wisniewski AV, Hettick JM, Siegel PD [2011]. Toluene diisocyanate reactivity with glutathione across a vapor/liquid interface and subsequent transcarbamoylation of human albumin. *Chem Res Toxicol* 24(10):1686–1693.  
*NORA: Manufacturing*
- 0425.** Wood GO, Snyder JL [2011]. Estimating reusability of organic air-purifying respirator cartridges. *J Occup Environ Hyg* 8(10):609–617.
- 0426.** Wu JZ, Powers JR, Harris JR, Pan CS [2011]. Estimation of the kinetic energy dissipation in fall-arrest system and manikin during fall impact. *Ergonomics* 54(4):367–379.  
*NORA: Construction*
- 0427.** Wu JZ, Sinsel EW, Gloekler DS, Wimer BM, Zhao KD, An K-N, Buczek FL [2011]. Inverse dynamic analysis of the biomechanics of the thumb while pipetting: a case study. *Med Eng Phys* [Epub ahead of print, 2011 Oct].
- 0428.** Wu JZ, Wimer BM, Welcome DE, Dong RG [2011]. An analysis of contact stiffness between a finger and an object when wearing an air-cushioned glove: the effects of the air pressure. *Med Eng Phys* 3(4):386–393.
- 0429.** Wuellner SE, Walters JK, St. Louis T, Leinenkugel K, Rogers PF, Lefkowitz D, Davis LK, Gelberg K, Zak MJ, Castillo DN [2011]. Nonfatal occupational injuries and illnesses among older workers—United States, 2009. *MMWR* 60(16):503–508.

## **I. Journal Articles**

**0430.** Wurzelbacher S, Jin Y [2011]. A framework for evaluating OSH program effectiveness using leading and trailing metrics. *J Saf Res* 42(3):199–207.

*NORA: Manufacturing*

**0431.** Xia T, Zhao Y, Sager T, George S, Pokhrel S, Li N, Schoenfeld D, Meng H, Lin S, Wang X, Wang M, Ji Z, Zink JI, Madler L, Castranova V, Lin S, Nel AE [2011]. Decreased dissolution of ZnO by iron doping yields nanoparticles with reduced toxicity in the rodent lung and zebrafish embryos. *ACS Nano* 5(2):1223–1235.

**0432.** Xiao L, O’Callaghan JP, O’Donnell JM [2011]. Effects of repeated treatment with phosphodiesterase-4 inhibitors on camp signaling, hippocampal cell proliferation, and behavior in the forced-swim test. *J Pharmacol Exp Ther* 338(2):641–647.

*NORA: Manufacturing*

**0433.** Xu XS, Riley DA, Persson M, Welcome DE, Krajnak K, Wu JZ, Govinda Raju SR, Dong RG [2011]. Evaluation of anti-vibration effectiveness of glove materials using an animal model. *Bio-Med Mater Eng* 21(4):193–211.

*NORA: Construction*

**0434.** Xu XS, Welcome DE, McDowell TW, Wu JZ, Wimer B, Warren C, Dong RG [2011]. The vibration transmissibility and driving-point biodynamic response of the hand exposed to vibration normal to the palm. *Int J Ind Ergon* 41(5):418–427.

*NORA: Construction*

**0435.** Xu XS, Welcome DE, Warren C, McDowell TW, Dong RG [2011]. Examination of the adaptor approach for the measurement of hand-transmitted vibration exposure. *Can Acoust* 39(2):32–33.

*NORA: Construction*

**0436.** Yamamoto N, Schmechel D, Chen BT, Lindsley WG, Peccia J [2011]. Comparison of quantitative airborne fungi measurements by active and passive sampling methods. *J Aerosol Sci* 42(8):499–507.

*NORA: Healthcare and Social Assistance*

**0437.** Yantek DS, Camargo HE, Jurovcik P [2010]. Noise and vibration assessment of a roof bolting machine. *Noise Control Eng J* 58(6):601–610.

**0438.** Yantek DS, Lowe MJ [2011]. Analysis of a mechanism suspension to reduce noise from horizontal vibrating screens. *Noise Control Eng J* 59(6):568–580.

*NORA: Mining*

**0439.** Yao S-Q, Rojanasakul LW, Chen Z-Y, Xu Y-J, Bai Y-P, Chen G, Zhang X-Y, Zhang C-M, Yu Y-Q, Shen F-H, Yuan J-X, Chen J, He QC [2011]. Fas/FasL pathway-mediated alveolar macrophage apoptosis involved in human silicosis. *Apoptosis* 16(12):1195–1204.

*NORA: Manufacturing*

- 0440.** Yong LC, Petersen MR [2011]. High dietary niacin intake is associated with decreased chromosome translocation frequency in airline pilots. *Br J Nutr* 105(4):496–505.  
*NORA: Transportation / Warehousing and Utilities*
- 0441.** Young S-H, Cox-Ganser JM, Shogren ES, Wolfarth MG, Li S-Q, Antonini JM, Castranova V, Park JH [2011]. Pulmonary inflammation induced by office dust and the relation to 1→3-β-glucan using different extraction techniques. *Toxicol Environ Chem* 93(4):806–823.  
*NORA: Manufacturing*
- 0442.** Yuan L, Smith AC [2011]. CO and CO<sub>2</sub> emissions from spontaneous heating of coal under different ventilation rates. *Int J Coal Geol* 88(1):24–30.  
*NORA: Mining*
- 0443.** Yuan L, Smith AC [2011]. Modeling the effect of barometric pressure changes on spontaneous heating in bleederless longwall panels. *Trans Soc Min Metal Explor* 2011(328):485–492.  
*NORA: Mining*
- 0444.** Yucesoy B, Johnson VJ [2011]. Genetic variability in susceptibility to occupational respiratory sensitization. *J Allergy* 2011 Apr:346719.  
*NORA: Healthcare and Social Assistance / Services*
- 0445.** Zalk DM, Spee T, Gillen M, Lentz TJ, Garrod A, Evans P, Swuste P [2011]. Review of qualitative approaches for the construction industry: designing a risk management toolbox. *Saf Health Work* 2(2):105–121.
- 0446.** Zeidler-Erdely PC, Battelli LA, Salmen-Muniz R, Li Z, Erdely A, Kashon ML, Simeonova PP, Antonini JM [2011]. Lung tumor production and tissue metal distribution after exposure to manual metal arc-stainless steel welding fume in A/J and C57BL/6J mice. *J Toxicol Environ Health, A* 74(11):728–736.  
*NORA: Manufacturing*
- 0447.** Zeidler-Erdely PC, Battelli LA, Stone S, Chen BT, Frazer DG, Young S-H, Erdely A, Kashon ML, Andrews R, Antonini JM [2011]. Short-term inhalation of stainless steel welding fume causes sustained lung toxicity but no tumorigenesis in lung tumor susceptible A/J mice. *Inhal Toxicol* 23(2):112–120.  
*NORA: Manufacturing*
- 0448.** Zhao J, Castranova V [2011]. Toxicology of nanomaterials used in nanomedicine. *J Toxicol Environ Health, B* 14(8):593–632.  
*NORA: Manufacturing*
- 0449.** Zhuang Z, Benson S, Lynch S, Palmiero A, Roberge R [2011]. Laboratory study to assess causative factors affecting temporal changes in filtering facepiece respirator fit: Part I—pilot study. *J Occup Environ Hyg* 8(12):729–739.  
*NORA: Healthcare and Social Assistance*

## ***I. Journal Articles***

**0450.** Zipf RK Jr., Gamezo VN, Sapko MJ, Marchewka WP, Mohamed KM, Oran ES, Kessler DA, Weiss ES, Addis JD, Karnack FA, Sellers DD [2011]. Methane-air detonation experiments at NIOSH Lake Lynn Laboratory. *J Loss Prev Process Ind* [Epub ahead of print, 2011 May].

*NORA: Mining*

## II. BOOKS OR BOOK CHAPTERS

- 0451.** Ashley K, Wise TJ, Esswein EJ [2011]. Evaluation of a handwipe disclosing method for lead. In: Brisson M, Ashley K, eds. Surface and dermal sampling. West Conshohocken, PA: ASTM International, pp. 57–66.  
*NORA: Manufacturing*
- 0452.** Ashley KE, Brisson MJ, White KT [2011]. Review of standards for surface and dermal sampling. In: Brisson M, Ashley K, eds. Surface and dermal sampling. West Conshohocken, PA: ASTM International, pp. 3–16.  
*NORA: Manufacturing*
- 0453.** Baron PA, Mazumder MK, Cheng Y-S, Peters TM [2011]. Real-time techniques for aerodynamic size measurement. In: Kulkarni P, Baron PA, Willeke K, eds. Aerosol measurement: principles, techniques, and applications. 3rd ed. Hoboken, NJ: John Wiley & Sons, pp. 313–338.  
*NORA: Manufacturing*
- 0454.** Biddle EA, Carande-Kulis VG, Woodhull D, Newell S, Shroff R [2011]. The business case for occupational safety, health, environment and beyond. In: Burke RJ, Clarke S, Cooper CL, eds. Occupational health and safety. Burlington, VT: Gower, pp. 47–69.
- 0455.** Brisson M, Ashley K, eds. [2011]. Surface and dermal sampling. West Conshohocken, PA: ASTM International, 316 pages.  
*NORA: Manufacturing*
- 0456.** Brisson MJ, Ashley KE [2011]. Overview. In: Brisson M, Ashley K, eds. Surface and dermal sampling. West Conshohocken, PA: ASTM International, pp. vii–ix.  
*NORA: Manufacturing*
- 0457.** Byrne DC, Michael KL, Tufts JB [2011]. Industrial noise and hearing conservation. In: Rose VE, Cohrsen B, Patty FA, eds. Patty’s industrial hygiene. 6th ed. Vol. 1. Hoboken, NJ: John Wiley & Sons, pp. 1507–1564.
- 0458.** Castillo DN, Pizatella TJ, Stout NA [2011]. Injuries and occupational safety. In: Levy BS, Wegman DH, Baron SL, Sokas RK, eds. Occupational and environmental health: Recognizing and preventing disease and injury. 6th ed. New York: Oxford University Press, pp. 315–334.
- 0459.** Castranova V [2011]. Factors governing pulmonary response to inhaled particulate matter. In: Kulkarni P, Baron PA, Willeke K, eds. Aerosol measurement: principles, techniques, and applications. 3rd ed. Hoboken, NJ: John Wiley & Sons, pp. 793–803.
- 0460.** Chen BT, Fletcher RA, Cheng Y-S [2011]. Calibration of aerosol instruments. In: Kulkarni P, Baron PA, Willeke K, eds. Aerosol measurement: principles, techniques, and applications. 3rd ed. Hoboken, NJ: John Wiley & Sons, pp. 449–478.  
*NORA: Construction / Manufacturing*







## ***II. Books or Book Chapters***

**0490.** Waters TR [2011]. Product design issues related to safe patient handling technology.  
In: Karwowski W, Soares MM, Stanton NA, eds. Human factors and ergonomics in consumer product design: uses and applications. Boca Raton, FL: CRC Press, pp. 89–100.



### III. NIOSH NUMBERED PUBLICATIONS

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*NORA: Manufacturing*

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*NORA: Manufacturing*

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**0495.** NIOSH [2011]. The economic burden of occupational fatal injuries to civilian workers in the United States based on the Census of Fatal Occupational Injuries, 1992–2002. By Biddle EA, Keane PR. Cincinnati, OH: U.S. Department of Health and Human Services, Centers for Disease Control and Prevention, National Institute for Occupational Safety and Health, DHHS (NIOSH) Publication No. 2011-130.

*NORA: Construction / Transportation / Warehousing and Utilities*

**0496.** NIOSH [2011]. NIOSH report of investigation (RI) 9680: Evaluation of face dust concentrations at mines using deep-cutting practices. By Potts JD, Reed WR, Colinet JF. Pittsburgh, PA: U.S. Department of Health and Human Services, Centers for Disease Control and Prevention, National Institute for Occupational Safety and Health, DHHS (NIOSH) Publication No. 2011-131.

**0497.** NIOSH [2011]. OSHA-NIOSH worker info: protect yourself; spirometry breathing test. Morgantown, WV: U.S. Department of Health and Human Services, Centers for Disease Control and Prevention, National Institute for Occupational Safety and Health, DHHS (NIOSH) Publication No. 2011-132.

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*NORA: Services: Public Safety*

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*NORA: Services: Public Safety*

**0502.** NIOSH [2011]. Get valid spirometry results EVERY time. Morgantown, WV: U.S. Department of Health and Human Services, Centers for Disease Control and Prevention, National Institute for Occupational Safety and Health, DHHS (NIOSH) Publication No. 2011-135.

*NORA: Healthcare and Social Assistance / Services*

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*NORA: Healthcare and Social Assistance / Services*

**0504.** NIOSH [2011]. Obtenha resultados válidos de espirometria TODA VEZ. Cincinnati, OH: U.S. Departmento de Salud Y Servicios Humanos de EUA, Centros para Controle e Prevenção de Doenças, Instituto Nacional para a Segurança e Saúde Ocupacional, Publicação DHHS (NIOSH) No. 2011-135P.

*NORA: Healthcare and Social Assistance / Services*

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*NORA: Healthcare and Social Assistance / Services*

### **III. NIOSH Numbered Publications**

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*NORA: Services*

**0507.** NIOSH [2011]. NIOSH skin notation (SK) profile: hydrogen fluoride/hydrofluoric acid (HF), CAS No. 7664-39-3. By Schulte P, Dotson GS, Fresch FH, Geraci CL, Lentz TJ, Niemeier R, Sussell A, Gadagbui B, Maier A. Cincinnati, OH: U.S. Department of Health and Human Services, Centers for Disease Control and Prevention, National Institute for Occupational Safety and Health, DHHS (NIOSH) Publication No. 2011-137.

**0508.** NIOSH [2011]. NIOSH skin notation (SK) profile: dinitrotoluene, CAS No. 25321-14-6; 2,4-dinitrotoluene (2,4-DNT), CAS No. 121-14-2; 2,6-dinitrotoluene (2,6-DNT), CAS No. 606-20-2. By Schulte P, Dotson GS, B'Hymer C, Geraci CL, Lentz TJ, Niemeier R, Tapp L, Gadagbui B, Maier A. Cincinnati, OH: U.S. Department of Health and Human Services, Centers for Disease Control and Prevention, National Institute for Occupational Safety and Health, DHHS (NIOSH) Publication No. 2011-138.

*NORA: Services*

**0509.** NIOSH [2011]. NIOSH skin notation (SK) profile: acrylamide, CAS No. 79-06-1. By Schulte P, Dotson GS, Fresch FH, Geraci CL, Lentz TJ, Niemeier R, Shepherd A, Gadagbui B, Maier A. Cincinnati, OH: U.S. Department of Health and Human Services, Centers for Disease Control and Prevention, National Institute for Occupational Safety and Health, DHHS (NIOSH) Publication No. 2011-139.

**0510.** NIOSH [2011]. NIOSH skin notation (SK) profile: acrylonitrile, CAS No. 107-13-1. By Schulte P, Dotson GS, B'Hymer C, Geraci CL, Lentz TJ, Luster M, Niemeier R, Gadagbui B, Maier A. Cincinnati, OH: U.S. Department of Health and Human Services, Centers for Disease Control and Prevention, National Institute for Occupational Safety and Health, DHHS (NIOSH) Publication No. 2011-140.

*NORA: Services*

**0511.** NIOSH [2011]. NIOSH skin notation (SK) profile: dinitrobenzene (DNB), CAS No. 25154-54-5; m-dinitrobenzene (m-DNB), CAS No. 99-65-0; o-dinitrobenzene (o-DNB), CAS No. 528-29-0; p-dinitrobenzene (p-DNB), CAS No. 100-25-4. By Schulte P, Dotson GS, Geraci CL, Lentz TJ, Luster M, Niemeier R, Sussell A, Gadagbui B, Maier A. Cincinnati, OH: U.S. Department of Health and Human Services, Centers for Disease Control and Prevention, National Institute for Occupational Safety and Health, DHHS (NIOSH) Publication No. 2011-141.













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*NORA: Mining*

**0560.** NIOSH [2011]. NIOSH technology news (TN) 542—field-use round determinate panel test system. Pittsburgh, PA: U.S. Department of Health and Human Services, Centers for Disease Control and Prevention, National Institute for Occupational Safety and Health, DHHS (NIOSH) Publication No. 2011-187.

*NORA: Mining*

**0561.** NIOSH [2011]. A story of impact: improved safety for truck drivers: designing safer cabs based on driver body dimensions. Cincinnati, OH: U.S. Department of Health and Human Services, Centers for Disease Control and Prevention, National Institute for Occupational Safety and Health, DHHS (NIOSH) Publication No. 2011-188.

*NORA: Transportation / Warehousing and Utilities*

**0562.** NIOSH [2011]. A story of impact: NIOSH list of hazardous drugs in healthcare settings allows healthcare workers to minimize exposure and reduce health risks. Cincinnati, OH: U.S. Department of Health and Human Services, Centers for Disease Control and Prevention, National Institute for Occupational Safety and Health, DHHS (NIOSH) Publication No. 2011-189.

*NORA: Healthcare and Social Assistance*

**0563.** NIOSH [2011]. A story of impact: NIOSH continues research to improve safety for ambulance service workers and EMS responders. Cincinnati, OH: U.S. Department of Health and Human Services, Centers for Disease Control and Prevention, National Institute for Occupational Safety and Health, DHHS (NIOSH) Publication No. 2011-190.

*NORA: Services: Public Safety*

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**0565.** NIOSH [2011]. A story of impact: NIOSH light-emitting diode (LED) cap lamp improves illumination and decreases injury risk for underground miners. Cincinnati, OH: U.S. Department of Health and Human Services, Centers for Disease Control and Prevention, National Institute for Occupational Safety and Health, DHHS (NIOSH) Publication No. 2011-192.

**0566.** NIOSH [2011]. A story of impact: NIOSH-funded program partners with chiefs of police to reduce traumatic injuries among New Jersey school crossing guards. Cincinnati, OH: U.S. Department of Health and Human Services, Centers for Disease Control and Prevention, National Institute for Occupational Safety and Health, DHHS (NIOSH) Publication No. 2011-193.

### **III. NIOSH Numbered Publications**

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*NORA: Mining*

**0568.** NIOSH [2011]. First periodic review of scientific and medical evidence related to cancer for the World Trade Center Health Program. By Connick KD, Enright P, Middendorf PJ, Piacentino J, Reissman DB, Sawyer T, Souza K. Cincinnati, OH: U.S. Department of Health and Human Services, Centers for Disease Control and Prevention, National Institute for Occupational Safety and Health, DHHS (NIOSH) Publication No. 2011-197.

**0569.** NIOSH [2011]. NIOSH guideline: application of digital radiography for the detection and classification of pneumoconiosis. Morgantown, WV: U.S. Department of Health and Human Services, Centers for Disease Control and Prevention, National Institute for Occupational Safety and Health, DHHS (NIOSH) Publication No. 2011-198.

*NORA: Construction / Mining*

**0570.** NIOSH [2011]. Effects of skin contact with chemicals: what a worker should know. Cincinnati, OH: U.S. Department of Health and Human Services, Centers for Disease Control and Prevention, National Institute for Occupational Safety and Health, DHHS (NIOSH) Publication No. 2011-199.

**0571.** NIOSH [2011]. Efectos de las sustancias químicas al contacto con la piel: lo que deben saber los trabajadores. Cincinnati, OH: U.S. Departamento de Salud Y Servicios Humanos, Centros para el Control y la Prevención de Enfermedades, Instituto Nacional para la Seguridad y Salud Ocupacional, DHHS (NIOSH) Publicación No. 2011-199SP.

**0572.** NIOSH [2011]. Effects of skin contact with chemicals: guidance for occupational health professionals and employers. Cincinnati, OH: U.S. Department of Health and Human Services, Centers for Disease Control and Prevention, National Institute for Occupational Safety and Health, DHHS (NIOSH) Publication No. 2011-200.

**0573.** NIOSH [2011]. Guía de salud ocupacional para profesionales de la salud y empleadores. Cincinnati, OH: U.S. Departamento de Salud Y Servicios Humanos, Centros para el Control y la Prevención de Enfermedades, Instituto Nacional para la Seguridad y Salud Ocupacional, DHHS (NIOSH) Publicación No. 2011-200SP.

**0574.** NIOSH [2011]. Summary of the making green jobs safe workshop. Washington, DC: U.S. Department of Health and Human Services, Centers for Disease Control and Prevention, National Institute for Occupational Safety and Health, DHHS (NIOSH) Publication No. 2011-201.

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### **III. NIOSH Numbered Publications**

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*NORA: Mining*

**0577.** NIOSH [2011]. NIOSH report of investigation (RI) 9686: Radio 101: operating two-way radios every day and in emergencies—instructor’s guide. By Kingsley Westerman CY, Brnich MJ Jr., Kosmoski C. Pittsburgh, PA: U.S. Department of Health and Human Services, Centers for Disease Control and Prevention, National Institute for Occupational Safety and Health, DHHS (NIOSH) Publication No. 2011-203I.

*NORA: Mining*

**0578.** NIOSH [2011]. NIOSH report of investigation (RI) 9686: Radio 101: operating two-way radios every day and in emergencies—student handbook. By Kingsley Westerman CY, Brnich MJ Jr., Kosmoski C. Pittsburgh, PA: U.S. Department of Health and Human Services, Centers for Disease Control and Prevention, National Institute for Occupational Safety and Health, DHHS (NIOSH) Publication No. 2011-203S.

*NORA: Mining*

**0579.** NIOSH [2011]. A story of impact: a real-time monitor to prevent coal dust explosion hazards in the mining industry. Cincinnati, OH: U.S. Department of Health and Human Services, Centers for Disease Control and Prevention, National Institute for Occupational Safety and Health, DHHS (NIOSH) Publication No. 2011-205.

**0580.** NIOSH [2011]. A story of impact: approaches to safe nanotechnology: document provides guidance to protect nanotechnology workers. Cincinnati, OH: U.S. Department of Health and Human Services, Centers for Disease Control and Prevention, National Institute for Occupational Safety and Health, DHHS (NIOSH) Publication No. 2011-206.

**0581.** NIOSH [2011]. Preventing worker deaths from trench cave-ins (supersedes 2011-180). Cincinnati, OH: U.S. Department of Health and Human Services, Centers for Disease Control and Prevention, National Institute for Occupational Safety and Health, DHHS (NIOSH) Publication No. 2011-208.

**0582.** NIOSH [2011]. Prevención de muertes de trabajadores por derrumbes en zanjas (reemplaza 2011-180). Cincinnati, OH: U.S. Departamento de Salud Y Servicios Humanos, Centros para el Control y la Prevención de Enfermedades, Instituto Nacional para la Seguridad y Salud Ocupacional, DHHS (NIOSH) Publicación No. 2011-208SP.

**0583.** NIOSH [2011]. NIOSH technology news (TN) 543—reverse implementation of radio frequency identification (RFID) technology for personnel tracking in underground mines. Pittsburgh, PA: U.S. Department of Health and Human Services, Centers for Disease Control and Prevention, National Institute for Occupational Safety and Health, DHHS (NIOSH) Publication No. 2011-209.

*NORA: Mining*

### III. NIOSH Numbered Publications

**0584.** NIOSH [2011]. Reducing noise hazards for call and dispatch center operators. Cincinnati, OH: U.S. Department of Health and Human Services, Centers for Disease Control and Prevention, National Institute for Occupational Safety and Health, DHHS (NIOSH) Publication No. 2011-210.

*NORA: Construction / Manufacturing*

**0585.** NIOSH [2011]. Reducción de riesgos por ruido en los centros de llamadas y despacho de servicios de emergencia. Cincinnati, OH: U.S. Departamento de Salud Y Servicios Humanos, Centros para el Control y la Prevención de Enfermedades, Instituto Nacional para la Seguridad y Salud Ocupacional, DHHS (NIOSH) Publicación No. 2011-210SP.

*NORA: Construction / Manufacturing*

**0586.** NIOSH [2011]. NIOSH technology news (TN) 544—new measurement tool to validate wireless communications and tracking radio signal coverage in mines. Pittsburgh, PA: U.S. Department of Health and Human Services, Centers for Disease Control and Prevention, National Institute for Occupational Safety and Health, DHHS (NIOSH) Publication No. 2012-100.

**0587.** NIOSH [2011]. NIOSH report of investigation (RI) 9687: Diesel aerosols and gases in underground mines: guide to exposure assessment and control. By Bugarski AD, Janisko SJ, Cauda EG, Noll JD, Mischler SE. Pittsburgh, PA: U.S. Department of Health and Human Services, Centers for Disease Control and Prevention, National Institute for Occupational Safety and Health, DHHS (NIOSH) Publication No. 2012-101.

*NORA: Mining*

**0588.** NIOSH [2011]. NIOSH Hazard ID, HID 16—non-conforming rock dust. Pittsburgh, PA: U.S. Department of Health and Human Services, Centers for Disease Control and Prevention, National Institute for Occupational Safety and Health, DHHS (NIOSH) Publication No. 2012-102.

*NORA: Mining*

**0589.** NIOSH [2011]. Research and practice for fall injury control in the workplace: Proceedings of International Conference on Fall Prevention and Protection. Morgantown, WV: U.S. Department of Health and Human Services, Centers for Disease Control and Prevention, National Institute for Occupational Safety and Health, DHHS (NIOSH) Publication No. 2012-103.

*NORA: Construction / Services: Public Safety*

**0590.** NIOSH [2011]. Restaurant and food services: advancing priorities through research and partnerships. Cincinnati, OH: U.S. Department of Health and Human Services, Centers for Disease Control and Prevention, National Institute for Occupational Safety and Health, DHHS (NIOSH) Publication No. 2012-105.

*NORA: Services*

### ***III. NIOSH Numbered Publications***

**0591.** NIOSH [2011]. Injuries, illnesses & fatalities in wholesale and retail trade in 2005: a chartbook. By Anderson VP, Linn HI, Nguyen L. Cincinnati, OH: U.S. Department of Health and Human Services, Centers for Disease Control and Prevention, National Institute for Occupational Safety and Health, DHHS (NIOSH) Publication No. 2012-106.

**0592.** NIOSH [2011]. Flavoring-related lung disease: information for healthcare providers. Morgantown, WV: U.S. Department of Health and Human Services, Centers for Disease Control and Prevention, National Institute for Occupational Safety and Health, DHHS (NIOSH) Publication No. 2012-107.

**0593.** NIOSH [2011]. A story of impact: NIOSH pesticide poisoning monitoring program protects farmworkers. Cincinnati, OH: U.S. Department of Health and Human Services, Centers for Disease Control and Prevention, National Institute for Occupational Safety and Health, DHHS (NIOSH) Publication No. 2012-108.  
*NORA: Agriculture, Forestry and Fishing*

**0594.** NIOSH [2011]. NIOSH technology news (TN) 545—NIOSH updates spontaneous combustion assessment software. Pittsburgh, PA: U.S. Department of Health and Human Services, Centers for Disease Control and Prevention, National Institute for Occupational Safety and Health, DHHS (NIOSH) Publication No. 2012-109.  
*NORA: Mining*

**0595.** NIOSH [2011]. NIOSH technology news (TN) 546—medium frequency mine emergency communications—an emerging technology. Pittsburgh, PA: U.S. Department of Health and Human Services, Centers for Disease Control and Prevention, National Institute for Occupational Safety and Health, DHHS (NIOSH) Publication No. 2012-110.  
*NORA: Mining*

**0596.** NIOSH [2011]. NIOSH technology news (TN) 547—cost-effective, off-the-shelf wireless links for surface integrated mine emergency communications. Pittsburgh, PA: U.S. Department of Health and Human Services, Centers for Disease Control and Prevention, National Institute for Occupational Safety and Health, DHHS (NIOSH) Publication No. 2012-111.

**0597.** NIOSH [2011]. A story of impact: NIOSH manual of analytical methods provides analytical tools that help keep workers safe. Cincinnati, OH: U.S. Department of Health and Human Services, Centers for Disease Control and Prevention, National Institute for Occupational Safety and Health, DHHS (NIOSH) Publication No. 2012-113.

**0598.** NIOSH [2011]. Automotive repair and maintenance services: advancing priorities through research and partnerships. Cincinnati, OH: U.S. Department of Health and Human Services, Centers for Disease Control and Prevention, National Institute for Occupational Safety and Health, DHHS (NIOSH) Publication No. 2012-114.  
*NORA: Services*

### ***III. NIOSH Numbered Publications***

**0599.** NIOSH [2011]. Lessons learned from the Deepwater Horizon response. By Bernard B, Castranova V, DeBord G, Decker J, Delaney L, Funk R, Gibbins J, King B, Kitt M, Reissman D, Seitz T, Spahr J, Sweeney MH, Tepper A. Cincinnati, OH: U.S. Department of Health and Human Services, Centers for Disease Control and Prevention, National Institute for Occupational Safety and Health, DHHS (NIOSH) Publication No. 2012-117.

*NORA: Manufacturing*



## IV. PROCEEDINGS

**0600.** Alexander DW, Bealko SB, Holtan J, McWilliams LJ, Whoolery M [2011]. Gas monitor simulator development and mine rescue contest field trials. In: 2011 SME Annual Meeting and Exhibit. February 28–March 2, Denver, Colorado. Preprint 11-014. Englewood, CO: Society for Mining, Metallurgy, and Exploration, 5 pages. CD-ROM.

**0601.** Alexander DW, Bealko SB, Holtan J, McWilliams LJ, Whoolery M [2011]. Gas monitor simulator development and mine rescue contest field trials. In: SME Annual Meeting and Exhibit and CMA 113th National Western Mining Conference 2011. February 28–March 2, 2011, Denver, Colorado. Littleton, CO: Society for Mining, Metallurgy, and Exploration, pp. 71–75.

**0602.** Amandus H, Bell J, Tiesman H, Biddle E [2011]. Causes, sources and costs of falls in a helicopter manufacturing plant. In: Research and practice for fall injury control in the workplace: Proceedings of International Conference on Fall Prevention and Protection. Morgantown, WV: U.S. Department of Health and Human Services, Centers for Disease Control and Prevention, National Institute for Occupational Safety and Health, DHHS (NIOSH) Publication No. 2012-103, pp. 32–35.

*NORA: Manufacturing*

**0603.** Barczak T [2011]. Think like a rock. In: Proceedings of the 30th International Conference on Ground Control in Mining, July 26–28, 2011, Morgantown, West Virginia. Morgantown, WV: West Virginia University, 11 pages.

*NORA: Mining*

**0604.** Bell JL, Collins JW, Tiesman HM, Ridenour M, Wolf L, Evanoff B [2011]. Slip, trip, and fall injuries to nursing home workers. In: Research and practice for fall injury control in the workplace: Proceedings of International Conference on Fall Prevention and Protection. Morgantown, WV: U.S. Department of Health and Human Services, Centers for Disease Control and Prevention, National Institute for Occupational Safety and Health, DHHS (NIOSH) Publication No. 2012-103, pp. 40–43.

**0605.** Biddle EA, Bobick TG, McKenzie EA Jr. [2011]. Cost of fall-related fatal occupational injuries in construction, 2003–2006. In: Research and practice for fall injury control in the workplace: Proceedings of International Conference on Fall Prevention and Protection. Morgantown, WV: U.S. Department of Health and Human Services, Centers for Disease Control and Prevention, National Institute for Occupational Safety and Health, DHHS (NIOSH) Publication No. 2012-103, pp. 216–219.

*NORA: Construction / Transportation / Warehousing and Utilities*

**0606.** Bobick TG, McKenzie EA Jr. [2011]. Overview of NIOSH-designed guardrail system. In: Research and practice for fall injury control in the workplace: Proceedings of International Conference on Fall Prevention and Protection. Morgantown, WV: U.S. Department of Health and Human Services, Centers for Disease Control and Prevention, National Institute for Occupational Safety and Health, DHHS (NIOSH) Publication No. 2012-103, pp. 220–223.

*NORA: Construction*

#### ***IV. Proceedings***

**0607.** Bugarski AD, Schnakenberg GH Jr., Hummer JA, Cauda E, Janisko SJ, Patts LD [2011]. Evaluation of high-temperature disposable filter elements in an experimental underground mine. In: 2011 SME Annual Meeting and Exhibit. February 28–March 2, Denver, Colorado. Preprint 11-012. Englewood, CO: Society of Mining, Metallurgy, and Exploration, 8 pages. CD-ROM.  
*NORA: Mining*

**0608.** Bugarski AD, Schnakenberg GH Jr., Hummer JA, Cauda E, Janisko SJ, Patts LD [2011]. Evaluation of high-temperature disposable filter elements in an experimental underground mine. In: SME Annual Meeting and Exhibit and CMA 113th National Western Mining Conference 2011. February 28–March 2, 2011, Denver, Colorado. Littleton, CO: Society for Mining, Metallurgy, and Exploration, pp. 57–64.  
*NORA: Mining*

**0609.** Camargo HE, Burdisso RA [2011]. A frequency domain technique to de-dopplerize the acoustic signal from a moving source of sound. In: 17th AIAA/CEAS Aeroacoustics Conference; 32nd AIAA Aeroacoustics Conference, June 5–8, Portland, Oregon. Reston, VA: American Institute of Aeronautics and Astronautics, 13 pages.  
*NORA: Mining*

**0610.** Chiou S, Turner N, Zwiener J, Weaver D, Haskell W, Ridenour M [2011]. Effect of boot weight on gait characteristics of men and women firefighters in negotiating obstacles. In: Research and practice for fall injury control in the workplace: Proceedings of International Conference on Fall Prevention and Protection. Morgantown, WV: U.S. Department of Health and Human Services, Centers for Disease Control and Prevention, National Institute for Occupational Safety and Health, DHHS (NIOSH) Publication No. 2012-103, pp. 48–51.

**0611.** Dong R, Welcome D, Xu X, Warren C, McDowell T, Krantz S, Geiger M, Burdge G [2011]. The U.S. Naval Supply Systems Command/Navy Clothing and Textile Research Facility (NAVSUP/NCTRF) and National Institute for Occupational Safety and Health (NIOSH) partnership for improving protection from work-related hand-arm vibration syndrome (HAVS). In: NORA Symposium 2011: achieving impact through research and partnerships, July 12–13, 2011, Cincinnati, Ohio. Cincinnati, OH: National Institute for Occupational Safety and Health, p. 97.  
*NORA: Manufacturing*

**0612.** Fedan J, Thompson J, Zacccone E, Hubbs A [2011]. Complex profile of mechanical responses of guinea-pig isolated airways to the popcorn butter flavorings, diacetyl and 2,3-pentanedione. In: NORA Symposium 2011: achieving impact through research and partnerships, July 12–13, 2011, Cincinnati, Ohio. Cincinnati, OH: National Institute for Occupational Safety and Health, p. 65.  
*NORA: Manufacturing*

**0613.** Green BJ [2011]. Fungal fragments; nature, occurrence, and clinical implications in human disease. In: Organic Dust Tromsø Symposium Abstracts, April 3–6. Hurtigruten, Norway. Tromsø, Norway: University of Tromsø, p. 6.  
*NORA: Agriculture, Forestry and Fishing*

**0614.** Haight JM [2011]. Human reliability analysis—cardiac hospital case study with new applicability. In: Safety 2011, June 12–15, 2011, Chicago, Illinois. Des Plaines, IL: American Society of Safety Engineers, 13 pages.

*NORA: Mining*

**0615.** Harteis SP, Alexander DW, Chasko LL, Slaughter CJ [2011]. Evaluation of devices to enhance miner self-escape in smoke-filled entries. In: 2011 SME Annual Meeting and Exhibit. February 28–March 2, Denver, Colorado. Preprint 11-001. Englewood, CO: Society for Mining, Metallurgy, and Exploration, 9 pages. CD-ROM.

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*NORA: Construction / Services: Public Safety*

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*NORA: Mining*

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*NORA: Construction*

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*NORA: Construction*

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*NORA: Mining*

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*NORA: Mining*

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*NORA: Mining*

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*NORA: Mining*

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*NORA: Construction*

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*NORA: Healthcare and Social Assistance / Transportation / Warehousing and Utilities*

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*NORA: Mining*

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*NORA: Agriculture, Forestry and Fishing / Manufacturing*

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*NORA: Construction*

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*NORA: Mining*

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*NORA: Mining / Construction*

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*NORA: Mining*

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*NORA: Agriculture, Forestry and Fishing*

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*NORA: Mining*

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*NORA: Mining*

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*NORA: Manufacturing*

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*NORA: Manufacturing / Mining*

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*NORA: Construction*

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*NORA: Services: Public Safety*

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*NORA: Mining*

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*NORA: Mining*

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*NORA: Mining*



## V. ABSTRACTS

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*NORA: Manufacturing*
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*NORA: Construction / Manufacturing*

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*NORA: Services*

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*NORA: Healthcare and Social Assistance*

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*NORA: Manufacturing*

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*NORA: Healthcare and Social Assistance / Services*

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*NORA: Manufacturing*

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*NORA: Manufacturing*

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*NORA: Construction / Manufacturing*

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*NORA: Construction / Manufacturing*

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*NORA: Construction / Manufacturing*

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*NORA: Construction / Manufacturing*

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*NORA: Manufacturing*

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*NORA: Manufacturing*

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*NORA: Construction / Manufacturing*

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*NORA: Manufacturing*

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*NORA: Manufacturing*

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*NORA: Manufacturing / Services*

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*NORA: Mining*

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*NORA: Construction / Manufacturing*

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*NORA: Manufacturing*

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*NORA: Manufacturing*

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*NORA: Transportation / Warehousing and Utilities*

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*NORA: Manufacturing*

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*NORA: Manufacturing*

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*NORA: Construction / Manufacturing*

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*NORA: Construction / Manufacturing*

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*NORA: Manufacturing*

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*NORA: Construction / Manufacturing*

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*NORA: Mining*

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*NORA: Manufacturing*

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*NORA: Manufacturing*
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*NORA: Manufacturing*
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*NORA: Manufacturing*
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*NORA: Manufacturing*
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*NORA: Manufacturing*
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*NORA: Manufacturing*

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*NORA: Manufacturing*

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*NORA: Manufacturing*

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*NORA: Manufacturing*

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*NORA: Construction / Manufacturing*

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*NORA: Services*

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*NORA: Manufacturing*

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*NORA: Manufacturing*



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*NORA: Healthcare and Social Assistance / Services*

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*NORA: Manufacturing*

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*NORA: Construction*

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*NORA: Construction*

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*NORA: Construction*

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*NORA: Construction*

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*NORA: Transportation / Warehousing and Utilities / Manufacturing*

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*NORA: Manufacturing*

## **VI. Control Technology Reports**

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*NORA: Construction / Manufacturing*

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*NORA: Construction*

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*NORA: Manufacturing*

## **VII. FATALITY ASSESSMENT AND CONTROL EVALUATION REPORTS**

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## VIII. FIRE FIGHTER FATALITY INVESTIGATION AND PREVENTION REPORTS

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*NORA: Services: Public Safety*

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*NORA: Services: Public Safety*

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*NORA: Services: Public Safety*

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*NORA: Services: Public Safety*

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*NORA: Services: Public Safety*

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*NORA: Services: Public Safety*

### ***VIII. Fire Fighter Fatality Investigation and Prevention Reports***

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*NORA: Services: Public Safety*

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*NORA: Services: Public Safety*

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*NORA: Services: Public Safety*

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*NORA: Services: Public Safety*

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*NORA: Services: Public Safety*

**0783.** NIOSH [2011]. Deputy chief suffers sudden cardiac death during physical fitness training—Illinois. By Baldwin T, Hales T. Cincinnati, OH: U.S. Department of Health and Human Services, Centers for Disease Control and Prevention, National Institute for Occupational Safety and Health, Fire Fighter Fatality Investigation and Prevention Report No. FACE-F2010-33.

*NORA: Services: Public Safety*

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*NORA: Services: Public Safety*

## VIII. Fire Fighter Fatality Investigation and Prevention Reports

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*NORA: Services: Public Safety*

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*NORA: Services: Public Safety*

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*NORA: Services: Public Safety*

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*NORA: Services: Public Safety*

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*NORA: Services: Public Safety*

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*NORA: Services: Public Safety*

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*NORA: Services: Public Safety*

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*NORA: Services: Public Safety*

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*NORA: Services: Public Safety*

**0794.** NIOSH [2011]. Volunteer fire fighter dies after falling from a rope—Minnesota. By Miles S, Merinar T. Morgantown, WV: U.S. Department of Health and Human Services, Centers for Disease Control and Prevention, National Institute for Occupational Safety and Health, Fire Fighter Fatality Investigation and Prevention Report No. FACE-F2011-12.

*NORA: Services: Public Safety*

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*NORA: Services: Public Safety*

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*NORA: Services: Public Safety*

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*NORA: Services: Public Safety*

## IX. HEALTH HAZARD EVALUATION REPORTS

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*NORA: Services*

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*NORA: Services*

**0801.** NIOSH [2011]. Health hazard evaluation report: unknown gases generated from a silicon wafer grinding filtration process—Colorado. By Durgam S, Streicher R. Cincinnati, OH: U.S. Department of Health and Human Services, Centers for Disease Control and Prevention, National Institute for Occupational Safety and Health, NIOSH HETA Report No. 2008-0045-3145.

*NORA: Services*

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*NORA: Services*

**0803.** NIOSH [2011]. Health hazard evaluation report: assessment of mold and indoor environmental quality in a middle school—Texas. By Burton NC, Gibbins J. Cincinnati, OH: U.S. Department of Health and Human Services, Centers for Disease Control and Prevention, National Institute for Occupational Safety and Health, NIOSH HETA Report No. 2008-0151-3134.

*NORA: Services*

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