

Health Hazard Evaluation Reports

BOOK CHAPTERS

POSTERS



NIOSH Bibliography of Communication and Research Products 2009

Journal Articles

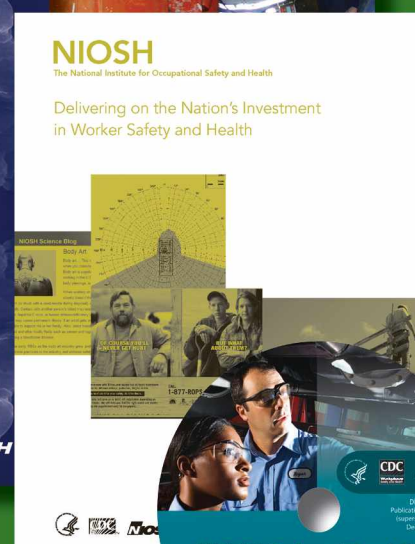
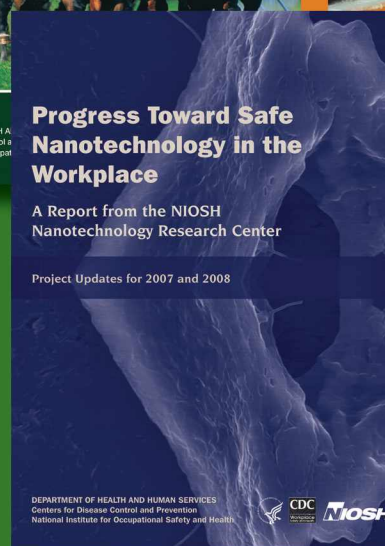
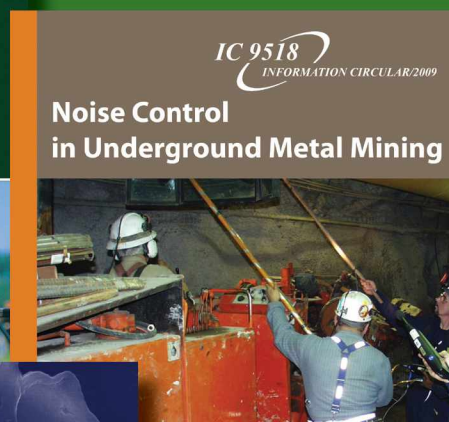
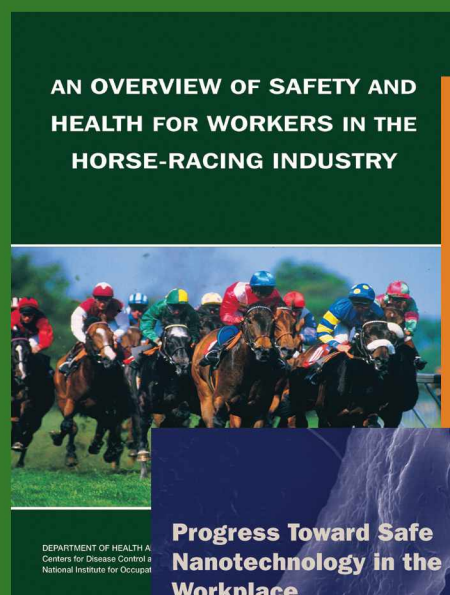
ALERTS

PROCEEDINGS

ABSTRACTS

CONTROL TECHNOLOGY REPORTS

Fatality Assessment and Control Evaluation Reports



DEPARTMENT OF HEALTH AND HUMAN SERVICES
Centers for Disease Control and Prevention
National Institute for Occupational Safety and Health



NIOSH Bibliography of Communication and Research Products 2009

NIOSH BIBLIOGRAPHY OF COMMUNICATION AND RESEARCH PRODUCTS

2009

A Listing of NIOSH Publications for Calendar Year 2009

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

April 2010

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 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 health and safety 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. Abaza AA, Day JB, Reynolds JS, Mahmoud AM, Goldsmith WT, McKinney WG, Petsonk EL, Frazer DG [2009]. Classification of voluntary cough sound and airflow patterns for detecting abnormal pulmonary function. *Cough* 5:8.

NORA: Manufacturing

0002. Alarcon WA, Roscoe RJ, Calvert GM, Graydon JR [2009]. Adult blood lead epidemiology and surveillance—United States, 2005–2007. *MMWR* 58(14):365–369.

NORA: Manufacturing

0003. Anderson SE, Brown KK, Butterworth LF, Fedorowicz A, Jackson LG, Frasch HF, Beezhold D, Munson AE, Meade BJ [2009]. Evaluation of irritancy and sensitization potential of metalworking fluid mixtures and components. *J Immunotoxicol* 6(1):19–29.

NORA: Construction: Manufacturing

0004. Antonini JM, Roberts JR, Stone S, Chen BT, Schwegler-Berry D, Frazer DG [2009]. Short-term inhalation exposure to mild steel welding fume had no effect on lung inflammation and injury but did alter defense responses to bacteria in rats. *Inhal Toxicol* 21(3):182–192.

NORA: Construction: Manufacturing

0005. Antonini JM, Sriram K, Benkovic SA, Roberts JR, Stone S, Chen BT, Schwegler-Berry D, Jefferson AM, Billig BK, Felton CM, Hammer MA, Ma F, Frazer DG, O'Callaghan JP, Miller DB [2009]. Mild steel welding fume causes manganese accumulation and subtle neuroinflammatory changes but not overt neuronal damage in discrete brain regions of rats after short-term inhalation exposure. *Neurotoxicology* 30(6):915–925.

NORA: Construction: Manufacturing

0006. Apopa PL, Qian Y, Shao R, Guo NL, Schwegler-Berry D, Pacurari M, Porter D, Shi X, Vallyathan V, Castranova V, Flynn DC [2009]. Iron oxide nanoparticles induce human microvascular endothelial cell permeability through reactive oxygen species production and microtubule remodeling. *Part Fibre Toxicol* 6:1.

NORA: Manufacturing

0007. Asfaw A, Pana-Cryan R [2009]. The impact of self-insuring for workers' compensation on the incidence rates of worker injury and illness. *J Occup Environ Med* 51(12):1466–1473.

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I. Journal Articles

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NORA: Healthcare and Social Assistance

0014. Ayaz FA, Torun H, Glew RH, Bak ZD, Chuang LT, Presley JM, Andrews R [2009]. Nutrient content of carob pod (*Ceratonia siliqua* L.) flour prepared commercially and domestically. *Plant Foods Hum Nutr* 64(4):286–292.

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0016. Bang KM, Mazurek JM, Storey E, Attfield MD, Schleiff PL, Wood JM, Wassell JT [2009]. Malignant mesothelioma mortality—United States, 1999–2005. *JAMA* 302(1):25–26.

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NORA: Manufacturing: Services

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NORA: Healthcare and Social Assistance

0021. Baron S, Liebman AK, Ruiz V, Steege AL [2009]. Shelley Davis: public health advocate at the service of the farmworker. *Am J Publ Health* 99(S3):S505–S507.

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0025. Bartels JR, Gallagher S, Ambrose DH [2009]. Continuous mining: a pilot study of the role of visual attention locations and work position in underground coal mines. *Prof Saf* 54(8):28–35.

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NORA: Mining

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NORA: Mining

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NORA: Manufacturing: Transportation, Warehousing and Utilities

0031. Bienek DR, Loomis LJ, Biagini RE [2009]. Commentary: the anthrax vaccine: no new tricks for an old dog. *Hum Vaccin* 5(3):184–189.

NORA: Healthcare and Social Assistance: Manufacturing

0032. Blachere FM, Lindsley WG, Pearce TA, Anderson SE, Fisher M, Khakoo R, Meade BJ, Lander O, Davis S, Thewlis RE, Celik I, Chen BT, Beezhold DH [2009]. Measurement of airborne influenza virus in a hospital emergency department. *Clin Infect Dis* 48(4):438–440.

0033. Borm P, Castranova V [2009]. Toxicology of nanomaterials: permanent interactive learning. *Part Fibre Toxicol* 6:28.

NORA: Manufacturing

I. Journal Articles

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NORA: Agriculture, Forestry and Fishing; Manufacturing

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0036. Bugarski AD, Schnakenberg GH Jr., Hummer JA, Cauda E, Janisko SJ, Patts LD [2009]. Effects of diesel exhaust after treatment devices on concentrations and size distribution of aerosols in underground mine air. *Environ Sci Technol* 43(17):6737–6743.

NORA: Mining

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NORA: Mining

0038. Carreón T, Hein MJ, Viet SM, Hanley KW, Ruder AM, Ward EM [2009]. Increased bladder cancer risk among workers exposed to o-toluidine and aniline: a reanalysis. *J Occup Environ Med* [Electronic publication–ahead of print].

0039. Castillo DN, Chaumont Menéndez CK [2009]. Work-related fatalities associated with tree care operations—United States, 1992–2007. *MMWR* 58(15):389–393.

NORA: Construction

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NORA: Manufacturing

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NORA: Mining

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NORA: Manufacturing

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NORA: Manufacturing; Mining

0044. Chang QS, Chen JG, Beezhold KJ, Castranova V, Shi XL, Chen F [2009]. JNK1 activation predicts the prognostic outcome of the human hepatocellular carcinoma. *Mol Cancer* 8:64.

NORA: Manufacturing; Mining

0045. Charles LE, Loomis D, Demissie Z [2009]. Occupational hazards experienced by cleaning workers and janitors: a review of the epidemiologic literature. *Work* 34(1):105–116.

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NORA: Services: Healthcare and Social Assistance

0047. Chen F, Castranova V [2009]. Beyond apoptosis of JNK1 in liver cancer. *Cell Cycle* 8(8):1145–1147.
NORA: Manufacturing: Mining

0048. Chen F, Li S, Castranova V [2009]. Signature genes for both hepatoblastoma and hepatocellular carcinoma. *Eur J Gastroenterol Hepatol* 21(10):1220–1222.
NORA: Manufacturing: Mining

0049. Chen G, Bower KA, Xu M, Ding M, Shi XL, Ke Z-J, Luo J [2009]. Cyanidin-3-glucoside reverses ethanol-induced inhibition of neurite outgrowth: role of glycogen synthase kinase 3 beta. *Neurotox Res* 15(4):321–331.

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NORA: Transportation, Warehousing and Utilities

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NORA: Services

0053. Chronister T, Oxnard PD, Casteel C, Peek-Asa C, Amandus H, Hartley D [2009]. Robbery and violence prevention in small retail businesses. *Police Chief* LXXVI(10):36–38, 40.
NORA: Services: Transportation, Warehousing and Utilities

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NORA: Manufacturing

0055. Coffey C [2009]. Response times in organic vapor instruments authors' reply. *J Occup Environ Hyg* 6(6):D26.

0056. Coffey CC, Hudnall JB, Martin SB Jr. [2009]. Improving the environmental controls at a homeless shelter to assist in reducing the probability of airborne transmission of *Mycobacterium tuberculosis*: a case study. *Indoor and Built Environment* 18(2):168–182.

I. Journal Articles

- 0057.** Coffey CC, Pearce TA, Lawrence RB, Hudnall JB, Slaven JE, Martin SB Jr. [2009]. Measurement capability of field portable organic vapor monitoring instruments under different experimental conditions. *J Occup Environ Hyg* 6(1):1–8.
- 0058.** Cooper AR, van Wijngaarden E, Fisher SG, Adams MJ, Yost MG, Bowman JD [2009]. A population-based cohort study of occupational exposure to magnetic fields and cardiovascular disease mortality. *Ann Epidemiol* 19(1):42–48.
- 0059.** Cox-Ganser JM, Burchfiel CM, Fekedulegn D, Andrew ME, Ducatman BS [2009]. Silicosis in the lymph nodes: the canary in miner? *J Occup Environ Med* 51(2):164–169.
- 0060.** Cox-Ganser JM, Rao CY, Park J-H, Schumpert JC, Kreiss K [2009]. Asthma and respiratory symptoms in hospital workers related to dampness and biological contaminants. *Indoor Air* 19(4):280–290.
- 0061.** Cummings KJ, Smith TS, Shogren ES, Khakoo R, Nanda S, Bunner L, Smithmyer A, Soccorsi D, Kashon ML, Mazurek GH, Friedman LN, Weissman DN [2009]. Prospective comparison of tuberculin skin test and QuantiFERON-TB Gold In-Tube assay for the detection of latent tuberculosis infection among healthcare workers in a low-incidence setting. *Infect Control Hosp Epidemiol* 30(11):1123–1126.
- 0062.** Cummings KJ, Stefaniak AB, Virji MA, Kreiss K [2009]. A reconsideration of acute beryllium disease. *Environ Health Perspect* 117(8):1250–1256.
- 0063.** Curran CP, Park RM, Ho SM, Haynes EN [2009]. Incorporating genetics and genomics in risk assessment for inhaled manganese: from data to policy. *Neurotoxicology* 30(5):754–760.
NORA: Construction
- 0064.** Curwin BD, Hein MJ, Barr DB, Striley C [2009]. Comparison of immunoassay and HPLC-MS/MS used to measure urinary metabolites of atrazine, metolachlor, and chlorpyrifos from farmers and non-farmers in Iowa. *J Expo Sci Environ Epidemiol* 20(2):205–212.
NORA: Agriculture, Forestry and Fishing
- 0065.** Cutlip RG, Baker BA, Hollander M, Ensey J [2009]. Injury and adaptive mechanisms in skeletal muscle. *J Electromyogr Kinesiol* 19(3):358–372.
- 0066.** Dabkowski ER, Williamson CL, Bukowski VC, Chapman RS, Leonard SS, Peer CJ, Callery PS, Hollander JM [2009]. Diabetic cardiomyopathy-associated dysfunction in spatially distinct mitochondrial subpopulations. *Am J Physiol Heart Circ Physiol* 296(2):H359–H369.
NORA: Manufacturing
- 0067.** Day GA, Virji MA, Stefaniak AB [2009]. Characterization of exposures among cemented tungsten carbide workers. Part II: assessment of surface contamination and skin exposures to cobalt, chromium and nickel. *J Expo Sci Environ Epidemiol* 19(4):423–434.
- 0068.** de Castro AB, Cabrera SL, Gee GC, Fujishiro K, Tagalog EA [2009]. Occupational health and safety issues among nurses in the Philippines. *AAOHN J* 57(4):149–157.
NORA: Manufacturing

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NORA: Healthcare and Social Assistance: Services

0070. Ding M, Kisin ER, Zhao J, Bowman L, Lu Y, Jiang B, Leonard S, Vallyathan V, Castranova V, Murray AR, Fadeel B, Shvedova AA [2009]. Size-dependent effects of tungsten carbide—cobalt particles on oxygen radical production and activation of cell signaling pathways in murine epidermal cells. *Toxicol Appl Pharmacol* 241(3):260–268.

NORA: Manufacturing

0071. Donaldson K, Borm PJA, Castranova V, Gulumian M [2009]. The limits of testing particle-mediated oxidative stress *in vitro* in predicting diverse pathologies; relevance for testing of nanoparticles. *Part Fibre Toxicol* 6:13.

0072. Doney B, Greskevitch M, Groce D, Syamlal G, Bang KM [2009]. Respirator use and practices in industrial and commercial machinery and computer equipment manufacturing establishments. Results of a national survey of private sector employers. *Ind Mach Dig* (1):19.

NORA: Construction

0073. Doney B, Greskevitch M, Groce D, Syamlal G, Bang KM, Mazurek JM [2009]. Safety management respiratory protection—is your program effective? *Prof Saf* 54(5):32–35.

NORA: Construction

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NORA: Construction

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0076. Dong RG, Welcome DE, McDowell TW, Wu JZ [2009]. Methods for deriving a representative biodynamic response of the hand-arm system to vibration. *J Sound Vib* 325(4–5):1047–1061.

NORA: Construction

0077. dos Santos Antão VC, Pinheiro GA, Wassell JT [2009]. Asbestosis mortality in the USA: facts and predictions. *Occup Environ Med* 66(5):335–338.

0078. Dubaniewicz TH Jr. [2009]. From Scotia to Brookwood, fatal US underground coal mine explosions ignited in intake air courses. *J Loss Prev Process Ind* 22(1):52–58.

NORA: Mining

0079. Dunning K, LeMasters GK [2009]. Optimum survey methods when interviewing employed women. *Am J Ind Med* 52(2):105–112.

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0080. Ekechukwu A, Hendricks W, White KT, Liabastre A, Archuleta M, Hoover MD [2009]. Validation of analytical methods and instrumentation for beryllium measurement: review and summary of available guides, procedures, and protocols. *J Occup Environ Hyg* 6(12):766–774.

0081. Ensey JS, Hollander MS, Wu JZ, Kashon ML, Baker BB, Cutlip RG [2009]. Response of tibialis anterior tendon to a chronic exposure of stretch-shortening cycles: age effects. *Biomed Eng Online* 8:12.

0082. Erdely A, Hulderman T, Salmen R, Liston A, Zeidler-Erdely PC, Schwegler-Berry D, Castranova V, Koyama S, Kim YA, Endo M, Simeonova PP [2009]. Cross-talk between lung and systemic circulation during carbon nanotube respiratory exposure. Potential biomarkers. *Nano Lett* 9(1):36–43.

0083. Estill CF, Baron PA, Beard JK, Hein MJ, Larsen LD, Rose L, Schaefer FW, Noble-Wang J, Hodges L, Lindquist HDA, Deye GJ, Arduino MJ [2009]. Recovery efficiency and limit of detection of aerosolized *bacillus anthracis* Sterne from environmental surface samples. *Appl Environ Microbiol* 75(13):4297–4306.

NORA: Manufacturing

0084. Fernandez ME, Bartholomew LK, Alterman T [2009]. Planning a multilevel intervention to prevent hearing loss among farmworkers and managers: a systematic approach. *J Agric Saf Health* 15(1):49–74.

NORA: Agriculture, Forestry and Fishing

0085. Fisher E, Rengasamy S, Viscusi D, Vo E, Shaffer R [2009]. Development of a test system to apply virus-containing particles to filtering facepiece respirators for the evaluation of decontamination procedures. *Appl Environ Microbiol* 75(6):1500–1507.

NORA: Healthcare and Social Assistance

0086. Forester CD, Wells JR [2009]. Yields of carbonyl products from gas-phase reactions of fragrance compounds with OH radical and ozone. *Environ Sci Technol* 43(10):3561–3568.

NORA: Services

0087. Franzblau A, Kazerooni EA, Sen A, Goodsitt MM, Lee SY, Rosenman KD, Lockey JE, Meyer CA, Gillespie BW, Petsonk EL, Wang ML [2009]. Comparison of digital radiographs with film radiographs for the classification of pneumoconiosis. *Acad Radiol* 16(6):669–677.

0088. Frasch HF, Barbero AM [2009]. A paired comparison between human skin and hairless guinea pig skin *in vitro* permeability and lag time measurements for 6 industrial chemicals. *Cutan Ocul Toxicol* 28(3):107–113.

NORA: Manufacturing: Services

0089. Fuente A, Slade MD, Taylor T, Morata TC, Keith RW, Sparer J, Rabinowitz PM [2009]. Peripheral and central auditory dysfunction induced by occupational exposure to organic solvents. *J Occup Environ Med* 51(10):1202–1211.

0090. Fujishiro K [2009]. Is perceived racial privilege associated with health? Findings from the Behavioral Risk Factor Surveillance System. *Soc Sci Med* 68(5):840–844.

0091. Gallagher S, Kotowski S, Davis KG, Mark C, Compton CJ, Huston RL, Connelly J [2009]. External L5-S1 joint moments when lifting wire mesh screen used to prevent rock falls in underground mines. *Int J Ind Ergon* 39(5):828–834.

NORA: Mining

0092. Gallagher S, Moore S, Dempsey PG [2009]. An analysis of injury claims from low-seam coal mines. *J Saf Res* 40(3):233–237.

NORA: Mining

0093. Gao P, Weise T, Tomasovic B [2009]. Development of a computer program for permeation testing data analysis. *J Occup Environ Hyg* 6(6):363–373.

0094. Ghanem MM, Battelli LA, Law BF, Castranova V, Kashon ML, Nath J, Hubbs AF [2009]. Coal dust alters β -naphthoflavone-induced aryl hydrocarbon receptor nuclear translocation in alveolar type II cells. *Part Fibre Toxicol* 6:21.

NORA: Manufacturing

0095. Goldcamp MJ, Goldcamp DM, Ashley K, Fernback JE, Agrawal A, Millson M, Marlow D, Harrison K [2009]. Extraction of beryllium from refractory beryllium oxide with dilute ammonium bifluoride and determination by fluorescence: a multiparameter performance evaluation. *J Occup Environ Hyg* 6(12):735–744.

0096. Gong F, Baron S, Stock L, Ayala L [2009]. Formative research in occupational health and safety intervention for diverse, underserved worker populations: a homecare worker intervention project. *Public Health Rep* 124(Suppl 1):84–89.

NORA: Healthcare and Social Assistance

0097. Gonzalez CM, Howe CM, Waters TR, Nelson A [2009]. Recommendations for turning patients with orthopaedic impairments. *Orthop Nurs* 28(2)(Suppl S):S9–S12.

0098. Gonzalez CM, Howe CM, Waters TR, Nelson A, Hughes N [2009]. Recommendations for vertical transfer of a postoperative total hip replacement patient (bed to chair, chair to toilet, chair to chair, or car to chair). *Orthop Nurs* 28(2)(Suppl S):S13–S17.

0099. Grau RH III, Krog R [2009]. Breathing easier. *Aggreg Manag* 14(2):30–32, 34–35, 37–39.

NORA: Mining

0100. Grau RH III, Krog R [2009]. Ventilating large opening mines. *J Mine Vent Soc S Afr* 62(1):8–14.

0101. Green BJ, Tovey ER, Beezhold DH, Perzanowski MS, Acosta LM, Divjan AI, Chew GL [2009]. Surveillance of fungal allergic sensitization using the fluorescent halogen immunoassay. *J Med Mycol* 19(4):253–261.

NORA: Services

0102. Grzywacz JG, Alterman T, Muntaner C, Gabbard S, Nakamoto J, Carroll DJ [2009]. Measuring job characteristics and mental health among Latino farmworkers: results from cognitive testing. *J Immigr Minor Health* 11(2):131–138.

NORA: Agriculture, Forestry and Fishing

I. Journal Articles

0103. Gwinn MR, Leonard SS, Sargent LM, Lowry DT, McKinstry K, Meighan T, Reynolds SH, Kashon M, Castranova V, Vallyathan V [2009]. The role of p53 in silica-induced cellular and molecular responses associated with carcinogenesis. *J Toxicol Environ Health, A* 72(23):1509–1519.

0104. Habash RWY, Elwood JM, Krewski D, Lotz WG, McNamee JP, Prato FS [2009]. Recent advances in research on radiofrequency fields and health: 2004–2007. *J Toxicol Environ Health, B Crit Rev* 12(4):250–288.

0105. Ham JE, Wells JR [2009]. Surface chemistry of dihydromyrcenol (2,6-dimethyl-7-octen-2-ol) with ozone on silanized glass, glass, and vinyl flooring tiles. *Atmos Environ* 43(26):4023–4032.

NORA: Services

0106. Hamilton RF Jr., Wu N, Porter D, Buford M, Wolfarth M, Holian A [2009]. Particle length-dependent titanium dioxide nanomaterials toxicity and bioactivity. *Part Fibre Toxicol* 6:35.

NORA: Manufacturing

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NORA: Services

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NORA: Agriculture, Forestry and Fishing

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NORA: Construction

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NORA: Manufacturing

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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

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NORA: Manufacturing

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NORA: Services: Public Safety

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NORA: Construction: Transportation, Warehousing and Utilities

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NORA: Manufacturing

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NORA: Services

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NORA: Construction

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NORA: Agriculture, Forestry and Fishing

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NORA: Agriculture, Forestry and Fishing; Manufacturing

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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: Mining

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NORA: Services

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NORA: Manufacturing

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NORA: Mining

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NORA: Manufacturing

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NORA: Manufacturing

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NORA: Construction: Transportation, Warehousing and Utilities

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NORA: Manufacturing

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NORA: Manufacturing

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NORA: Mining

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NORA: Services

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NORA: Services: Public Safety

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NORA: Mining

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NORA: Agriculture, Forestry and Fishing: Manufacturing

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NORA: Agriculture, Forestry and Fishing

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NORA: Mining

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NORA: Construction: Manufacturing

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NORA: Mining

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NORA: Services

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NORA: Manufacturing

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NORA: Mining

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NORA: Mining

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NORA: Manufacturing

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NORA: Construction: Mining

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NORA: Mining

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NORA: Mining

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NORA: Manufacturing: Services

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NORA: Services: Public Safety

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NORA: Services: Public Safety: Research Tools and Approaches: Intervention Effectiveness Research

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NORA: Services: Public Safety

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NORA: Manufacturing

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NORA: Healthcare and Social Assistance

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NORA: Healthcare and Social Assistance

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NORA: Healthcare and Social Assistance

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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

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NORA: Mining

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NORA: Transportation, Warehousing and Utilities

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NORA: Transportation, Warehousing and Utilities: Manufacturing

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NORA: Manufacturing

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NORA: Healthcare and Social Assistance: Services

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NORA: Manufacturing: Mining

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NORA: Transportation, Warehousing and Utilities

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NORA: Construction: Manufacturing

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NORA: Mining

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NORA: Mining

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NORA: Healthcare and Social Assistance

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NORA: Mining

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NORA: Healthcare and Social Assistance

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NORA: Mining

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NORA: Mining

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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

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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: Mining

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NORA: Mining

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NORA: Mining

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NORA: Mining

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NORA: Services: Public Safety

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NORA: Services: Public Safety

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NORA: Manufacturing

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NORA: Manufacturing

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NORA: Transportation, Warehousing and Utilities: Wholesale and Retail Trade

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NORA: Transportation, Warehousing and Utilities: Wholesale and Retail Trade

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NORA: Mining

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NORA: Services: Wholesale and Retail Trade

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NORA: Mining

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NORA: Services

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NORA: Services

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NORA: Mining

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NORA: Healthcare and Social Assistance

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NORA: Construction: Manufacturing

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NORA: Construction: Manufacturing

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NORA: Services: Healthcare and Social Assistance

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NORA: Mining

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NORA: Mining

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NORA: Mining

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NORA: Manufacturing

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NORA: Mining

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NORA: Manufacturing

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NORA: Mining

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NORA: Manufacturing

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NORA: Mining

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NORA: Mining

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NORA: Services

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NORA: Wholesale and Retail Trade

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NORA: Manufacturing

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NORA: Mining

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NORA: Mining

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NORA: Construction

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NORA: Mining

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NORA: Manufacturing

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NORA: Mining

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NORA: Manufacturing

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NORA: Mining

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NORA: Healthcare and Social Assistance: Services

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NORA: Manufacturing

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NORA: Mining

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NORA: Mining

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NORA: Mining

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NORA: Mining: Oil and Gas Extraction

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NORA: Manufacturing

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NORA: Mining

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NORA: Healthcare and Social Assistance: Services

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NORA: Manufacturing

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NORA: Healthcare and Social Assistance

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NORA: Mining

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NORA: 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: Mining

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NORA: Mining

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NORA: Mining

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NORA: Manufacturing

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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: Mining

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NORA: Agriculture, Forestry and Fishing

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NORA: Manufacturing

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NORA: 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: Mining

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NORA: Services

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NORA: Mining

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NORA: Mining

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NORA: Manufacturing

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NORA: Mining

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NORA: Mining

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NORA: Mining

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NORA: Manufacturing

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NORA: Mining

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NORA: Healthcare and Social Assistance: Services

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NORA: Manufacturing

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NORA: Mining

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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: Mining

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NORA: Manufacturing

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NORA: Construction: Manufacturing

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NORA: Mining

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NORA: Mining

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NORA: Mining

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NORA: Manufacturing

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NORA: Wholesale and Retail Trade

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NORA: Construction: Manufacturing

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NORA: Mining

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NORA: Manufacturing

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NORA: Mining

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NORA: Healthcare and Social Assistance: Services

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NORA: Construction: Manufacturing

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NORA: Mining

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NORA: Mining

V. CONTROL TECHNOLOGY REPORTS

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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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VI. FATALITY ASSESSMENT AND CONTROL EVALUATION REPORTS

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NORA: Construction

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NORA: Construction

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NORA: Construction

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NORA: Construction

VII. 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

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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

0635. NIOSH [2009]. Volunteer fire chief killed when buried by brick parapet wall collapse—Texas. By Merinar T. Morgantown, WV: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, National Institute for Occupational Safety and Health, Fire Fighter Fatality Investigation and Prevention Report No. F2008–21.

NORA: Services: Public Safety

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NORA: Services: Public Safety

0637. NIOSH [2009]. Fire fighter dies after being ejected from a pumper in a single vehicle rollover crash—New York. By Miles ST. Morgantown, WV: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, National

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NORA: Services: Public Safety

0638. NIOSH [2009]. A volunteer mutual aid fire fighter dies in a floor collapse in a residential basement fire—Illinois. By Bowyer M. Morgantown, WV: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, National Institute for Occupational Safety and Health, Fire Fighter Fatality Investigation and Prevention Report No. F2008–26.

NORA: Services: Public Safety

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Dust analysis	0108 0119 0172 0276 0361
Dust control	0041 0236 0238 0307 0396 0397 0404 0405 0406 0407 0487 0490 0546 0558 0561 0605 0606 0607 0666 0669
Dust exposure	0040 0041 0087 0094 0119 0219 0236 0238 0241 0276 0298 0396 0397 0404 0405 0406 0407 0546 0561 0611 0669
Dust inhalation	0094 0241 0276 0298 0666
Dust particles	0009 0080 0094 0095 0119 0241 0396 0397 0404 0405 0406 0407 0509
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Health hazards	0013 0022 0031 0034 0046 0089 0104 0148 0169 0170 0187 0189 0190 0234 0245 0255 0259 0279 0284 0289 0301 0302 0311 0320 0328 0329 0331 0415 0416 0477 0504 0515 0523 0580
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Hearing disorders	0037 0084 0158 0211 0225 0294 0304 0305 0318 0365 0368 0472
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Injury prevention	0007 0025 0053 0065 0084 0110 0117 0131 0132 0201 0210 0213 0214 0217 0227 0228 0230 0237 0246 0249 0252 0253 0260 0263 0271 0278 0312 0314 0330 0380 0391 0394 0395 0399 0401 0409 0410 0411 0414 0426 0431 0444 0461 0462 0463 0467 0473 0478 0479 0494 0495 0499 0511 0540 0567 0610 0613 0614 0615 0616 0617 0620 0621 0622 0623 0624 0625 0626 0627 0628 0629 0630 0631 0632 0633 0634 0635 0636 0637 0638 0642 0643 0648 0649 0650 0651 0652 0654 0658
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Mineral processing	0026 0037 0207 0280 0297 0570
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Noise control	0028 0158 0242 0297 0306 0424 0425 0468 0469 0472 0485 0555 0577 0594 0609 0611
Noise exposure	0037 0159 0211 0294 0306 0309 0318 0322 0365 0367 0368 0419 0420 0422 0423 0424 0425 0437 0468 0555 0577 0594 0610 0674
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Noise induced hearing loss	0028 0037 0084 0158 0159 0211 0225 0242 0294 0304 0305 0306 0309 0318 0365 0368 0424 0425 0431 0468 0469 0472 0473 0485 0555 0594
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Occupational exposure	0002 0013 0020 0021 0022 0034 0038 0045 0060 0064 0089 0096 0107 0108 0119 0123 0128 0139 0143 0153 0159 0170 0174 0175 0178 0183 0184 0204 0205 0218 0220 0221 0223 0224 0234 0236 0238 0245 0255 0259 0276 0278 0282 0292 0298 0300 0301 0307 0310 0311 0314 0319 0322 0324 0328 0329 0347 0349 0357 0362 0364 0365 0393 0409 0414 0454 0455 0462 0463 0492 0504 0505 0514 0515 0516 0533 0536 0546 0555 0557 0561 0563 0565 0571 0578 0587 0588 0591 0594 0598
Occupational hazards	0002 0013 0020 0021 0022 0025 0079 0092 0096 0107 0108 0119 0128 0139 0159 0170 0178 0184 0189 0210 0214 0218 0220 0221 0234 0236 0238 0245 0252 0255 0259 0278 0292 0298 0300 0301 0307 0310 0311 0314 0315 0319 0328 0329 0341 0347 0354 0357 0380 0393 0409 0414 0454 0455 0462 0463 0478 0494 0499 0513 0514 0515 0516 0522 0536 0539 0555 0565 0571 0594 0613 0615
Occupational health	0013 0020 0021 0022 0050 0060 0074 0089 0090 0096 0107 0128 0135 0153 0159 0170 0178 0180 0183 0184 0189 0198 0205 0218 0220 0221 0223 0224 0234 0236 0238 0245 0246 0255 0259 0276 0278 0292 0298 0300 0301 0314 0315 0320 0324 0328 0329 0331 0340 0362 0378 0393 0402 0412 0413 0470 0471 0492 0504 0514 0515 0516 0533 0536 0565 0571 0587 0588 0658
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Sector Programs	
Agriculture, Forestry and Fishing	0034 0064 0084 0102 0127 0176 0206 0227 0228 0229 0230 0265 0266 0295 0296 0399 0401 0424 0542
Construction	0003 0004 0005 0039 0063 0072 0073 0074 0076 0113 0131 0179 0180 0184 0205 0210 0213 0215 0243 0245 0252 0263 0288 0306 0315 0344 0361 0362 0388 0396 0397 0404 0405 0406 0407 0439 0440 0475 0476 0496 0580 0589 0599 0613 0614 0615 0616
Healthcare and Social Assistance	0013 0020 0031 0046 0069 0085 0096 0117 0175 0194 0246 0323 0324 0325 0356 0372 0374 0375 0376 0377 0381 0392 0426 0435 0436 0439 0440 0474 0477 0504 0514 0516 0565 0598 0666
Manufacturing	0001 0002 0003 0004 0005 0006 0019 0030 0031 0033 0034 0040 0042 0043 0044 0047 0048 0054 0066 0068 0070 0083 0088 0094 0106 0116 0118 0119 0123 0126 0128 0133 0151 0155 0161 0167 0169 0170 0171 0172 0174 0177 0179 0181 0185 0186 0193 0197 0202 0206 0208 0211 0212 0218 0219 0220 0221 0222 0233 0248 0256 0266 0279 0285 0287 0289 0290 0295 0306 0311 0314 0318 0322 0327 0338 0339 0350 0351 0359 0361 0362 0363 0368 0379 0384 0409 0419 0420 0424 0425 0462 0463 0475 0476 0484 0486 0488 0493 0500 0502 0506 0512 0515 0520 0523 0524 0525 0526 0530 0544 0545 0549 0550 0551 0557 0562 0566 0569 0572 0574 0576 0578 0580 0585 0589 0591 0599 0605 0606 0607 0608 0609 0666 0676
Mining	0027 0028 0036 0037 0041 0043 0044 0047 0048 0078 0091 0092 0100 0137 0144 0145 0146 0148 0149 0159 0160 0164 0169 0170 0171 0193 0195 0199 0200 0210 0218 0219 0220 0221 0222 0236 0238 0239 0240 0241 0244 0264 0270 0271 0272 0273 0275 0280 0284 0291 0294 0297 0307 0312 0313 0315 0316 0317 0346 0359 0366 0403 0404 0405 0406 0407 0421 0422 0423 0427 0428 0429 0430 0434 0437 0438 0445 0446 0447 0448 0449 0450 0451 0452 0453 0456 0457 0466 0468 0472 0478 0479 0480 0485 0487 0489 0490 0494 0495 0499 0501 0503 0508 0509 0510 0511 0513 0519 0522 0527 0528 0529 0531 0534 0537 0538 0539 0546 0553 0555 0556 0558 0559 0560 0564 0567 0568 0570 0575 0577 0579 0581 0582 0583 0584 0590 0592 0594 0602 0603
Oil and Gas Extraction	0511
Public Safety	0140 0249 0293 0319 0320 0321 0386 0392 0394 0395 0444 0459 0460 0617 0618 0619 0620 0621 0622 0624 0625 0626 0627 0628 0629 0630 0631 0632 0633 0634 0635 0636 0637 0638 0639 0640 0641 0642 0643 0644 0645 0646 0647 0648 0649 0650 0651 0652 0653 0654 0655 0656 0657 0658 0659 0660
Services	0019 0046 0052 0053 0069 0086 0088 0101 0105 0111 0112 0140 0170 0171 0173 0211 0249 0259 0269 0276 0292 0293 0309 0318 0319 0320 0321 0356 0368 0372 0381 0382 0385 0386 0392 0394 0395 0444 0459 0460 0467 0470 0471 0477 0491 0504 0514 0554 0565 0598 0617 0618 0619 0620 0621 0622 0624 0625 0626 0627 0628 0629 0630 0631 0632 0633 0634 0635 0636 0637 0638 0639 0640 0641 0642 0643 0644 0645 0646 0647 0648 0649 0650 0651 0652 0653 0654 0655 0656 0657 0658 0659 0660
Transportation, Warehousing and Utilities	0030 0050 0053 0131 0252 0288 0331 0349 0350 0360 0464 0465 0507 0604
Wholesale and Retail Trade	0216 0217 0253 0464 0465 0467 0492 0588



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