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Pacific Northwest Center for Human Health and Ocean Studies

Human Health Impacts and the Gulf Oil Spill

Select Relevant References

1. Sim, M.S., Jo, I.J. and Song, H.G. (2010: In Press). "Acute health problems related to the operation mounted to clean the Hebei Spirit oil spill in Taean, Korea." *Mar Pollut Bull* 60(1): 51-7.
2. Lee, J., Kim, M.H., Ha, M. and Chung, B.C. (2010: In Press). "Urinary metabolic profiling of volatile organic compounds in acute exposed volunteers after an oil spill in Republic of Korea." *Biomed Chromatogr* 24(5): 562-8.
3. van de Meent, D., Hollander, A., Comber, M. and Parkerton, T.F. (2010: Epub). "Environmental fate factors and human intake fractions for risk assessment of petroleum products." *Integr Environ Assess Manag*: PMID: 19558205.
4. Vinas, L., Franco, M.A., Soriano, J.A., Gonzalez, J.J., Ortiz, L., Bayona, J.M. and Albaiges, J. (2009). "Accumulation trends of petroleum hydrocarbons in commercial shellfish from the Galician coast (NW Spain) affected by the Prestige oil spill." *Chemosphere* 75(4): 534-41.
5. Tenenbaum, D.J. (2009). "Oil sands development: a health risk worth taking?" *Environ Health Perspect* 117(4): A150-6.
6. Silva, C.A., Oliveira Ribeiro, C.A., Katsumiti, A., Araujo, M.L., Zandona, E.M., Costa Silva, G.P., Maschio, J., Roche, H. and Silva de Assis, H.C. (2009). "Evaluation of waterborne exposure to oil spill 5 years after an accident in Southern Brazil." *Ecotoxicol Environ Saf* 72(2): 400-9.
7. Phillips, R.D., Bahadori, T., Barry, B.E., Bus, J.S., Gant, T.W., Mostowy, J.M., Smith, C., Willuhn, M. and Zimmer, U. (2009). "Twenty-first century approaches to toxicity testing, biomonitoring, and risk assessment: perspectives from the global chemical industry." *J Expo Sci Environ Epidemiol* 19(6): 536-43.
8. Pandey, S.K., Kim, K.H., Yim, U.H., Jung, M.C. and Kang, C.H. (2009). "Airborne mercury pollution from a large oil spill accident on the west coast of Korea." *J Hazard Mater* 164(1): 380-4.
9. Meo, S.A., Al-Drees, A.M., Rasheed, S., Meo, I.M., Khan, M.M., Al-Saadi, M.M. and Alkandari, J.R. (2009). "Effect of duration of exposure to polluted air environment on lung function in subjects exposed to crude oil spill into sea water." *Int J Occup Med Environ Health* 22(1): 35-41.
10. Liu, X. and Wirtz, K.W. (2009). "The economy of oil spills: direct and indirect costs as a function of spill size." *J Hazard Mater* 171(1-3): 471-7.
11. Lindbohm, M.L., Sallmen, M., Kyyronen, P., Kauppinen, T. and Pukkala, E. (2009). "Risk of liver cancer and exposure to organic solvents and gasoline vapors among Finnish workers." *Int J Cancer* 124(12): 2954-9.
12. Garza, M.D., Prada, A., Varela, M. and Rodriguez, M.X. (2009). "Indirect assessment of economic damages from the Prestige oil spill: consequences for liability and risk prevention." *Disasters* 33(1): 95-109.
13. Ajayi, T.R., Torto, N., Tchokossa, P. and Akinlua, A. (2009). "Natural radioactivity and trace metals in crude oils: implication for health." *Environ Geochem Health* 31(1): 61-9.
14. Zhao, L., Chen, Z. and Lee, K. (2008). "A risk assessment model for produced water discharge from offshore petroleum platforms-development and validation." *Mar Pollut Bull* 56(11): 1890-7.
15. Waldner, C.L. and Stryhn, H. (2008). "Risk of nonpregnancy, risk of disposal for pregnant cows, and duration of the calving interval in cow-calf herds exposed to the oil and gas industry in Western Canada." *Arch Environ Occup Health* 63(4): 241-61.





16. Verbruggen, E.M., Beek, M., Pijnenburg, J. and Traas, T.P. (2008). "Ecotoxicological environmental risk limits for total petroleum hydrocarbons on the basis of internal lipid concentrations." *Environ Toxicol Chem* 27(12): 2436-48.
17. Steinsvag, K., Bratveit, M., Moen, B., Austgulen, L.V., Hollund, B.E., Haaland, I.M., Naerheim, J., Svendsen, K. and Kromhout, H. (2008). "Expert assessment of exposure to carcinogens in Norway's offshore petroleum industry." *J Expo Sci Environ Epidemiol* 18(2): 175-82.
18. Perez-Cadahia, B., Laffon, B., Valdiglesias, V., Pasaro, E. and Mendez, J. (2008). "Cytogenetic effects induced by Prestige oil on human populations: the role of polymorphisms in genes involved in metabolism and DNA repair." *Mutat Res* 653(1-2): 117-23.
19. Perez-Cadahia, B., Laffon, B., Porta, M., Lafuente, A., Cabaleiro, T., Lopez, T., Caride, A., Pumarega, J., Romero, A., Pasaro, E. and Mendez, J. (2008). "Relationship between blood concentrations of heavy metals and cytogenetic and endocrine parameters among subjects involved in cleaning coastal areas affected by the 'Prestige' tanker oil spill." *Chemosphere* 71(3): 447-55.
20. Paz-y-Mino, C., Lopez-Cortes, A., Arevalo, M. and Sanchez, M.E. (2008). "Monitoring of DNA damage in individuals exposed to petroleum hydrocarbons in Ecuador." *Ann N Y Acad Sci* 1140: 121-8.
21. Morales-Caselles, C., Riba, I., Sarasquete, C. and Angel DelValls, T. (2008). "The application of a weight of evidence approach to compare the quality of coastal sediments affected by acute (Prestige 2002) and chronic (Bay of Algeciras) oil spills." *Environ Pollut* 156(2): 394-402.
22. Lopez, E., Schuhmacher, M. and Domingo, J.L. (2008). "Human health risks of petroleum-contaminated groundwater." *Environ Sci Pollut Res Int* 15(3): 278-88.
23. Li, P.C., Chen, W.C., Chang, L.C. and Lin, S.C. (2008). "Substance P acts via the neurokinin receptor 1 to elicit bronchoconstriction, oxidative stress, and upregulated ICAM-1 expression after oil smoke exposure." *Am J Physiol Lung Cell Mol Physiol* 294(5): L912-20.
24. Hussain, T. and Gondal, M.A. (2008). "Monitoring and assessment of toxic metals in Gulf War oil spill contaminated soil using laser-induced breakdown spectroscopy." *Environ Monit Assess* 136(1-3): 391-9.
25. Ausili, A., Gabellini, M., Cammarata, G., Fattorini, D., Benedetti, M., Pisanelli, B., Gorbi, S. and Regoli, F. (2008). "Ecotoxicological and human health risk in a petrochemical district of southern Italy." *Mar Environ Res* 66(1): 215-7.
26. Zock, J.P., Rodriguez-Trigo, G., Pozo-Rodriguez, F., Barbera, J.A., Bouso, L., Torralba, Y., Anto, J.M., Gomez, F.P., Fuster, C. and Vereza, H. (2007). "Prolonged respiratory symptoms in clean-up workers of the prestige oil spill." *Am J Respir Crit Care Med* 176(6): 610-6.
27. Snelling, J., Barnett, M.O., Zhao, D. and Arey, J.S. (2007). "Methyl-tert-hexyl ether and methyl-tert-octyl ether as gasoline oxygenates: anticipating widespread risks to community water supply wells." *Environ Toxicol Chem* 26(11): 2253-9.
28. Roes, A.L. and Patel, M.K. (2007). "Life cycle risks for human health: a comparison of petroleum versus bio-based production of five bulk organic chemicals." *Risk Anal* 27(5): 1311-21.
29. Landis, W.G. (2007). "The Exxon Valdez oil spill revisited and the dangers of normative science." *Integr Environ Assess Manag* 3(3): 439-41.
30. Harris, D.T., Sakiestewa, D., He, X., Titone, D. and Witten, M. (2007). "Effects of in utero JP-8 jet fuel exposure on the immune systems of pregnant and newborn mice." *Toxicol Ind Health* 23(9): 545-52.



31. Carrasco, J.M., Perez-Gomez, B., Garcia-Mendizabal, M.J., Lope, V., Aragoes, N., Forjaz, M.J., Guallar-Castillon, P., Lopez-Abente, G., Rodriguez-Artalejo, F. and Pollan, M. (2007). "Health-related quality of life and mental health in the medium-term aftermath of the Prestige oil spill in Galiza (Spain): a cross-sectional study." *BMC Public Health* 7: 245.
32. Marigomez, I., Soto, M., Cancio, I., Orbea, A., Garmendia, L. and Cajaraville, M.P. (2006). "Cell and tissue biomarkers in mussel, and histopathology in hake and anchovy from Bay of Biscay after the Prestige oil spill (Monitoring Campaign 2003)." *Mar Pollut Bull* 53(5-7): 287-304.
33. Harwell, M.A. and Gentile, J.H. (2006). "Ecological significance of residual exposures and effects from the Exxon Valdez oil spill." *Integr Environ Assess Manag* 2(3): 204-46.
34. Drummond, I., Murray, N., Armstrong, T., Schnatter, A.R. and Lewis, R.J. (2006). "Exposure assessment methods for a study of mortality and cancer morbidity in relation to specific petroleum industry exposures." *J Occup Environ Hyg* 3(10): 513-20.
35. Bolognesi, C., Perrone, E., Roggieri, P. and Sciuotto, A. (2006). "Bioindicators in monitoring long term genotoxic impact of oil spill: Haven case study." *Mar Environ Res* 62 Suppl: S287-91.
36. Bejarano, A.C., Chandler, G.T., He, L., Cary, T.L. and Ferry, J.L. (2006). "Risk assessment of the National Institute of Standards and Technology petroleum crude oil standard water accommodated fraction: further application of a copepod-based, full life-cycle bioassay." *Environ Toxicol Chem* 25(7): 1953-60.
37. Schirmer, M. and Butler, B.J. (2004). "Transport behaviour and natural attenuation of organic contaminants at spill sites." *Toxicology* 205(3): 173-9.
38. Liu, L., Huang, G.H., Hao, R.X. and Cheng, S.Y. (2004). "An integrated subsurface modeling and risk assessment approach for managing the petroleum-contaminated sites." *J Environ Sci Health A Tox Hazard Subst Environ Eng* 39(11-12): 3083-113.
39. Lemiere, S., Cossu-Leguille, C., Bispo, A., Jourdain, M.J., Lanhers, M.C., Burnel, D. and Vasseur, P. (2004). "Genotoxicity related to transfer of oil spill pollutants from mussels to mammals via food." *Environ Toxicol* 19(4): 387-95.
40. Smith, K.P., Arnish, J.J., Williams, G.P. and Blunt, D.L. (2003). "Assessment of the disposal of radioactive petroleum industry waste in nonhazardous landfills using risk-based modeling." *Environ Sci Technol* 37(10): 2060-6.
41. Katayama, Y., Oura, T., Iizuka, M., Orita, I., Cho, K.J., Chung, I.Y. and Okada, M. (2003). "Effects of spilled oil on microbial communities in a tidal flat." *Mar Pollut Bull* 47(1-6): 85-90.
42. Dor, F., Bonnard, R., Gourier-Frery, C., Cicoletta, A., Dujardin, R. and Zmirou, D. (2003). "Health risk assessment after decontamination of the beaches polluted by the wrecked ERIKA tanker." *Risk Anal* 23(6): 1199-208.
43. Cohen, A., Nuggeoda, D. and Gagnon, M.M. (2001). "Metabolic responses of fish following exposure to two different oil spill remediation techniques." *Ecotoxicol Environ Saf* 48(3): 306-10.
44. Gilroy, D.J. (2000). "Derivation of shellfish harvest reopening criteria following the New Carissa oil spill in Coos Bay, Oregon." *J Toxicol Environ Health A* 60(5): 317-29.
45. Saxton, W.L., Newton, R.T., Rorberg, J., Sutton, J. and Johnson, L.E. (1993). "Polycyclic aromatic hydrocarbons in seafood from the Gulf of Alaska following a major crude oil spill." *Bull Environ Contam Toxicol* 51(4): 515-22.