References

- Abelson, H.1971. Effects of particular pollutants: Mercury pollution in Sweden with special reference to conditions in water habitat, Proc. Roy. Soc. Lond. B. 177, 365.
- Allen, S.K., J.M. Allen, and S. Lucas. 1996. Concentration of contaminants in surface water samples collected in west-central Indiana impacted by acidic mine drainage. Environ. Geo. 27:1, 34-37.
- An, D.,Y. He G. and Q. Hu X. 1997. Poisoning by coal smoke containing arsenic and fluoride. Fluoride. 30:1, 29-32.
- APHA. 1992. Standard Methods for the Examination of Water and Wastewater. 17th edition. American Public Health Association (APHA). Washington, DC., 1-38.
- Badulis, G. C. Jr. 1988. Risk Assessment from Potential Weathering Characteristics of Mae Moh Lignite Mine and Power Plant Wastes-Mae Moh District, Lampang Province. M.Sc. Thesis, Graduate School, Chiang Mai University, 41-52.
- Bartram J., and R. Ballance. 1996. Water quality Monitoring: A practical guide to the design and implementation of freshwater quality studies and monitoring programs. United Nations Environment Programme (UNEP), World Health Organization (WHO), London, 7-8.
- Bartram, J. and R. balance. 1996. Water Quality Monitoring. A Practical Guide to The Design and Implementation of Freshwater Quality Studies and Monitoring Programmes. United Nations Environment Program (UNEP), World Health Organization (WHO). Chapman & Hall. London, 35-36.
- Bignoli, G. and E. Sabbioni. 1984. Environmental Assessment of Arsenic Released from Potential Pollution Sources. J. Environ. Monitor. Assess. 4, 53-65.

- Bonzongo J.C., K.J. Heim, J.J. Warwick, and W.B. Lyons. 1996. Mercury Levels in surface waters of the Carson River-Lahontan reservoir system, Nevada; Influence of Historic Mining activities. Environ. Pollution. 92:2, 193-201.
- Bounkrop, P. 1996. Electricity supply and demand in Thailand: the role of EGAT in hydro development. "Generating Power and Money: Australia's and Thailand's Roles in Hydro Projects in Laos". Presented at the Centre for Asia Pacific Studies Conference, Victoria University of Technology, Melbourne, 28-29 October, 1996.
- Buchanan, D. J., and D. Brenkley. 1994. Green Coal Mining; In: R. Hester E. and R. M. Harrison. Mining and Its Environmental Impact. Issues in Environmental Science and Technology. Royal Society of Chemistry, 71-75.
- Chapman, D. 1996. Water Quality Assessments. A guide to The Use of Biota, Sediments, and Water in Environmental Monitoring. Second Edition. UNESCO, WHO, UNEP, 58-97.
- Cardwell, R.D., D.G. Forman, T.R. Payne, and D.J. Wilbur. 1976. Acute toxicity of selenium dioxide to freshwater fishes, Arch. Environ. Contam. Toxicol., 4, 129.
- Charter R.A, M.A. Tabatabai, J.W. Shafer, 1995. Arsenic, molybdenum, selenium, and tungsten contents of fertilizers and phosphate rocks. Common-soil-plant-anal. Monticello, N.Y.: Marcel Dekker Inc. 26(17/18), 3051-3062.
- Chatterji, M. 1981. Energy and Environment in the Developing Countries. John Wiley and Sons, New York, 9-10.
- Committee for Fisheries. 1993. List of Maximum Allowable Concentrations and Approximately Harmless Levels of Impact of Toxic Chemicals on Water Bodies of Fisheries Importance. Kolos, Moscow. In Chapman, D. 1996. Water Quality Assessments. A guide to The Use of Biota, Sediments, and Water in Environmental Monitoring. Second Edition. UNESCO, WHO, UNEP, 80-82.

- De-Moraes-Flores, E.M., and A. Martins . 1997. Distribution of trace elements in egg samples collected near coal power plants. J. Environ. Qual. 26:3, 744-748.
- EGAT (Electricity Generating Authority of Thailand). 1994. Mae Moh Power Plant.
 Public Relations Department, 1-12.
- EGAT. 1991. Mae Moh Lignite Mine. Electricity Generating Authority of Thailand (EGAT); 1-2
- Environment Canada. 1987. Canadian Water Quality Guidelines of the Canadian Council of Resource Ministers. Environment Canada, Ottawa. In Chapman, D. 1996. Water Quality Assessments. A guide to The Use of Biota, Sediments, and Water in Environmental Monitoring. Second Edition. UNESCO, WHO, UNEP, 80-82.
- Environmental Quality Standards Division Office of National Environment Board. 1989.

 Laws and Standards on Pollution Control in Thailand. Second edition. 23-33.
- Ernst, B. 1996. Toxic chemicals in Atlantic Canada lead. Homepage Water Pollution.
- Everett, L. G. 1985. Groundwater Monitoring Handbook for Coal and Oil Shale Development. Elsevier, Amsterdam, 20-62.
- Elmer, P. 1987. Analytical Methods for Atomic Absorption Spectrometry Using the MHS Mercury/Hydride System. Publication: B309, 309-A4 As.
- Fendar, B.S., and R. Kharat B. 1995. Determination of trace metals in food-grains around coal-fired power plant. Environ. Ecol. 13:2, 448-450.
- Freeman, G.B., R.A. Schoof, M.V. Ruby, A.O. Dill, S.C. Liao, C.A. Lapin, and P.D. Bergstrom. 1995. Bioavailability of Arsenic in Soil and house dust impacted by smelter activities following oral administration in cynomolgus monkeys. Fundam. Appl. Toxicol. 28:2, 215-222.

- Fthenakis, V.M., F. Lipfert W., P. Moskowitz D., and L. Saroff. 1995. An assessment of mercury emissions and health risks from a coal-fired power plant. J. Hazard. Mater. 44:2-3, 267-283.
- Fyfe, W.S., M.A. Powell, B.R. Hart, and B. Ratanasthien. 1993. A Global Crisis: Energy in The Future. Nonrenewable Resources, 2:3, 17-24.
- Hastuti, S. P. 1998. Heavy Metals Accumulated in Sediment and Plants in Wetland Wastewater Treatment at Mae Moh Mine Lampang Province. M.Sc. Thesis in Environmental Science, Graduate School, Chiang Mai University, 31-36.
- Hatcher, C.O., R.E. Ogawa, T.P. Poe, and J.R.P. French. 1992. Trace elements in lake sediment, macrozoobenthos, and fish near a coal ash disposal basin. J. Freshwat. Ecol. 7:3, 257-269.
- Hem, J. D. 1985. Study and Interpretation of the Chemical Characteristics of Natural Water. U.S Geological Survey Water Supply Paper 2254, 58, 76-89, 158-160.
- Huyen, D.T. 1995. Dispersion of Lignite Fly Ash in The Surrounding Area of The Mae Moh Power Plant in Lampang Province. M.Sc. Thesis in Environmental Risk Assessment for Tropical Ecosystems, Graduate School, Chiang Mai University, 87-88.
- Institute of Environment Research. 1981. Soil Characteristics of The Mae Moh Mine. Chulalongkorn University, 6-15.
- Jackson, D.R., W.L. Lindsay, and R.D. Heil. 1975. The Impact of Molybdenum-enriched Irrigation Water on Agriculture Soil near Brighton. J. Environ. Qual. 4, 223-229.
- Johnls, A.G., T. Westermark, W. Berg, P.I. Persson, and B. Sjostrand. 1967. Pike (Esox lucius L.) and some other aquatic organisms in Sweden as indicators of mercury contamination in the environment. Oikos, 18, 323.

- Jones, H.C., J.C. Noggle, and C. McDuffie. 1987. Effects of Emissions from a Coal-fired Power Plant on Soybean production. J. Environ. Qual. 16:4, 296-306.
- King, N.J. 1998. Application of Risk Assessment in Policy and Ligislation in the European Union and in the United Kingdom, in Calow, P. 1998. Handbook of Environmental Risk Assessment and Management, 249-260.
- Leopold A. and A. C. Almanac. 1976. Energy-Related Environmental Problems; In E. Thorndike H. Energy and Environment. Addison-Wesley Publishing Company, California, 103, 115.
- Madrid, Y., J. Meseguer, M. Bonilla, and C. Camara. 1990. Lead hydride generation in a lactic acid-potassium dichromate medium and tis application to the determination of lead in fish, vegetable and drink samples. Analytica. Chemica. Acta. 237, 181-187.
- Masson, C. F. 1996. Biology of Freshwater Pollution. 3rd edition. Longmans New York City. 166-177.
- Mastradone P.J., C.L. Mulchi, J.A. Armbruster, and L.W. Douglass. 1982. Trace Metal Desposition in an Agricultural Environment near the Chalk Point Generating Station. J. Environ. Qual. 11:2, 203-212.
- Moore, J.W., and S. Ramamoorthy. 1984. Heavy Metals in Natural Waters: Applied Monitoring and Impact Assessment. Springer-Verlag, New York, 65.
- Nriagu, J. O. 1994. Arsenic in the Environment. John Wiley & Sons, New York, 1-13, 51-82.
- Nriagu, J. O. and J.M. Pacyna. 1988. Quality Assessment of Worldwide Contamination of Air, Water and Soil by Trace Metal. Nature 333, 134-139.
- Purves, D. 1985. Trace Element Contamination of The Environment. Elsevier,

- Amsterdam, 150-164.
- Prewett, W. G. 1997. Lamyai, Manual for Using Program AF.EXE. Unpublished Manuscript, Department of Geological Sciences, Faculty of Science, Chiang mai University, Thailand. 1-9.
- Querol, X., M.K.G. Whateley, T.J.L. Fernandez, and E. Tuncali. 1997. Geological controls on the mineralogy and geochemistry of the Beypazari lignite, central Anatolia, Turkey. International Journal of Coal Geology. 33:3, 255-271.
- Ratanasthien B. and Kandharosa W. 1996. Excursion guidebook. International Symposium on Geology and Environment, 28 Jan to 2 Feb, 1996. Department of Geological Science, Faculty of Science, Chiang Mai University, Chiang Mai, Thailand, 20-36.
- Ratanasthien, B., W.S. Fyfe, McIntyre, and M.A. Powell. 1991. Chemistry of Mae Moh Lignite Ash. In Sahu, K.C. (ed.) Environmental Impact of Coal Utilization. International Conference II T Bombay, 75-84.
- Sawyer, C.N. 1960. Chemistry for sanitary engineers. McGrrawn-Hill Book Co. In Train, R. E. 1979. Quality Criteria for Water. U.S. Environmental Protection Agency. Washington D.C. Castle House Publication LTD, 75-77.
- Sendlein, L.V.A., H. Yazicigil, C.L. Carlson, and H.K. Russell. 1983. Surface Mining and Reclamation Handbook. Elsevier. New York, 189-276.
- Sorensen, E.M.B., 1991. Metal Poisoning in Fish. CRC Press, Boca Raton, 285-324.
- Thailand National Report. 1992. Thailand National Report to the United Nations Conference on the Environment and Development, 34.
- Train, R. E. 1979. Quality Criteria for Water. U.S. Environmental Protection Agency. Castle House Publication, Washington D.C, 37-41, 82-85, 98-102.

- Walraven, N., B. Van-Os J.H., G. Klaver T., J. Baker H., and S. Vriend P. 1997. Trace element concentrations and stable lead isotopes in soils as tracers of lead pollution in Graft-De Rijp, the Netherlands. Journal of Geochemical Exploration. 59:1, 47-58.
- WHO. 1993. Guidelines for Drinking-water Quality. Vol. 1. Recommendations. Second edition, World Health Organization, Geneva, 188.
- Williams, R. 1991. Proceeding of the World Coal Institute Conference and Exhibition.

 Coal in the Environment. London
- Yager, J.W., J.B. Hicks, and E. Fabianova. 1997. Airborne arsenic and urinary excretion of arsenic metabolites during boiler cleaning operations in a Slovak coal-fired power plant. Environ. Health. Perspect. 105:8, 836-842.