Levi Kimble, MSc

Industrial Hygienist

Professional summary

Mr. Kimble is an industrial hygienist with 5 years of experience in exposure and risk assessment, indoor air quality investigation, asbestos management, and a variety of other work, such as reviewing scientific literature and legislation for policy review. He has experience working in metal smelting/refining, industrial painting, mining, manufacturing facilities, commercial buildings, road construction, marine construction and ports. He has investigated exposure to asbestos, heavy metals, isocyanates, volatile organic compounds, acid mists, chlorine, hydrogen sulphide, sulfuric dioxide, diesel exhaust, Portland cement, crystalline silica, asphalt fume, polycyclic aromatic hydrocarbons, carbon monoxide, flour dust, noise and heat. As well, Mr. Kimble has performed a variety of indoor air quality assessments which included the assessment of moulds, bacteria and associated parameters such as moisture, relative humidity and temperature.

Mr. Kimble has been involved on projects which review available literature and legislation regarding mould and both ionizing and non-ionizing radiation in order for policy review from applicable stakeholders.

Mr. Kimble has managed training programs as well, which focussed on asbestos management programs of commercial buildings.

Employment history

- Aura Health and Safety Corporation. Industrial Hygienist, Burnaby, BC, 2016 to present.
- AMEC Environment & Infrastructure, Industrial Hygiene Specialist, Burnaby, BC, 2014 to 2016.
- Teck Metals Ltd., Industrial Hygiene Coop. Student, Trail, BC, 2013.
- Epoch Environmental Consulting. Field Technician, Coquitlam, BC 2010 to 2012.

Representative projects

Indoor Air Quality and Microbial IAQ Investigations

Mr. Kimble has conducted several investigations of indoor air quality in various commercial and residential buildings in which employees or residents reported odours and/or adverse health effects. He has conducted worker interviews, ventilation assessments to assess adequacy of fresh air intake, and material review and headspace chamber testing of new materials to compare headspace contaminants with the airborne contaminant profile. He has conducted several microbial investigations involving inspections for visible signs of moisture and microbial growth, as well as sampling of bulk material and air for fungi and bacteria.

Mr. Kimble was also the lead developer of a detailed mould control plan aimed at controlling and mitigating mould and water intrusion issues throughout the university campus. The program covered best practices prior to, during and after construction and renovation projects, as well as investigation strategies and laboratory analysis methods to be utilized for effective assessments.

Chemical Exposure Assessments

Mr. Kimble has extensive experience in conducting chemical exposure assessments in a variety of industries such as smelting, road construction, food processing, and

Education

- MSc, Occupational & Environmental Hygiene, University of British Columbia, BC, Canada, 2014
- BSc, General Science, University of British Columbia, BC, Canada, 2010

Memberships/affiliations

- American Industrial Hygiene Association BC Yukon Local Section- 2012 to present, UBC Student Rep., 2013
- IAQA Vancouver Chapter – Board of Directors Member

Certifications

- US EPA AHERA Building Inspector CABI-16-060

painting facilities. As part of a team, he responded to an emergency fire situation where he was involved in advising the client on immediate potential exposure and decontamination issues. He has been involved in several exposure assessments of workers for due diligence reasons and in response to regulatory orders. Examples of projects include assessing isocyanate exposures from painting, heavy metals from smelting, asphalt fumes from road construction and flour dust from a food processing facility. In addition, he has extensive experience in conducting asbestos, lead and silica exposure assessments across multiple provinces.

Physical Exposure Assessments

Mr. Kimble has assessed several physical hazards or conditions in the course of his career, such as heat stress, noise, lighting, and electric and magnetic fields (EMF). He has assessed the heat stress of municipal waste workers as they operated garbage trucks in the summer months using heat stress monitors such as WBGT monitors and personal ear-piece temperature monitors. He has conducted several noise exposure assessments using noise dosimeters and sound level meters to build contour noise maps in order to determine where hearing protection was necessary. In addition, Mr. Kimble has conducted electric and magnetic field monitoring for the purposes of determining whether or not restriction zones were necessary for workers wearing medical devices and to determine public exposures from a substation.

Occupational and Environmental Health Policy

Mr. Kimble has been involved in several projects with the objective of providing evidence to occupational and environmental policymakers to be used in their decision-making. Mr. Kimble was involved in determining whether or not it was feasible to reduce the current Portland Cement occupational exposure limit by finding a marker of exposure that was specific to Portland Cement. He was also involved in conducting an environmental scan of radiation protection programs across Canada to be used in deciding the roles and responsibilities of a provincial environmental health program that was considering a new direction.

Training

Mr. Kimble has been responsible for putting together training materials in asbestos, hazardous waste, respiratory protection, and mould for various clients. He was responsible for developing procedures and performing asbestos awareness training for numerous retail facilities across BC. He has trained students on basic principles of industrial hygiene such as calibration of sampling pumps and direct reading instruments as well as use of microscopes for asbestos fibre counts.