Environmental Public Health Science Publications

For the latest publications, please click the following:
https://open.alberta.ca/dataset?tags=environmental+public+health or
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Water quality reports

- Cyanobacteria Blooms in Alberta Recreational Waters – 2023 (2009-2023 dataset)
- Domestic Well Water Quality in Alberta - Routine Chemistry – 2023 (2001-2017 dataset)
- Domestic Well Water Quality in Alberta - Trace Elements – 2023 (2001-2017 dataset)
- Lacombe Stormwater Pond Dataset – 2023
- Stormwater Ponds in Alberta: Health Guidance Information Sheet – 2023
- Cyanobacteria Blooms in Alberta Recreational Waters – 2022 (2009-2022 dataset)
- Domestic Well Water Quality in Alberta - Routine Chemistry – 2022 (2016-2017 dataset)
- Domestic Well Water Quality in Alberta - Trace Elements – 2022 (2016-2017 dataset)
- Cyanobacteria Blooms in Alberta Recreational Waters – 2021 (2021 dataset)
- *Public Health Guidelines For Non-Municipal Drinking Water – 2021
- *Lead and Copper in Drinking Water in Schools and Daycares : Assessment And Response Guide – 2020
- *Alberta Safe Beach Protocol – 2019
- Domestic Well Water Quality in Alberta - Routine Chemistry – 2018 (up to 2015 dataset)
- Domestic Well Water Quality in Alberta - Trace Elements – 2018 (up to 2015 dataset)
- Cyanobacteria Beach Monitoring 2010–2013 – 2014
- Domestic Well Water Quality in Regions of Alberta – 2014
- Domestic Well Water Quality in the Beaver River Basin – 2014
- Domestic Well Water Quality in Alberta 2002–2008 – 2014
- Domestic Well Water Quality in Alberta – Facts – 2014
- Arsenic in Groundwater from Domestic Wells in Three Areas of Northern Alberta – 2000

Air quality reports

- Alberta Air Quality Notification Protocol: what you need to know – 2019
- Environmental Public Health Indoor Air Quality Manual – 2012
- Your Air, Your Health – A Major New Study Tests the Quality of Air and Human Health in Fort McMurray – 2000
- Assessing Air Quality in High Level, Report 1: A Preliminary Analysis of Physician Visits and Air Particulate Date – 1999
- Assessment of Respiratory Disorders in Relation to Solution Gas Flaring Activities in Alberta – 1998
- Geographic and Temporal Variations of Selected Respiratory Diseases in Strathcona County and Fort Saskatchewan – 1996

Heat reports

- *Adaptation Strategies for Reducing Extreme Heat Health Impacts: A Rapid Review – 2022
- Extreme Heat (webpage) – 2022
- Strategies to Manage Heat : a Jurisdictional Scan – 2022

Human health risk assessment reports

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Classification: Public

- Guidance on Human Health Risk Assessment for Environmental Impact Assessment in Alberta, version 2 – 2019 (superseded previous version)
- Inventory and Analysis of Exposure Factors for Alberta – 2018
- Guidance on Human Health Risk Assessment for Environmental Impact Assessment in Alberta – 2011 (archived)

Mercury in fish

- Chemical Monitoring in Local Foods: Mercury in Fish – 2023 (1997-2020 dataset)
- Chemical Monitoring in Local Foods: Mercury in Fish – 2021 (dataset)
- 2019 Fish Consumption Guidance: Mercury in Fish – 2019
- Mercury in Fish in Alberta Water Bodies, 2009–2013 – 2016
- Mercury in Fish in Southern Alberta Rivers and Lakes – 2009
- Mercury in Fish in Southern Alberta – Pine Coulee and Twin Valley – 2009
- Mercury in Fish – Regional Aquatics Monitoring Program (RAMP) – 2009
- Mercury in Fish in Central Alberta – Lac la Nonne and Lac Ste Anne – 2009
- Common questions about methylmercury levels in Alberta fish – 2009

Swan Hills Treatment Centre

- Long-term Follow-up Health Assessment Program 1997–2012 – 2013
- Long-term Follow-up Health Assessment Program 1997–2007 – 2009
- Long-term Follow-up Health Assessment Program 1997–2002 – 2004
- Human Health Impact Assessment – 1997

Community assessment reports

Wood Buffalo Environmental Association Human Exposure Monitoring Program 2006

- Fort Mackay Summary Report – 2008
- Fort McMurray, First Nations Gregoire Lake / Anzac Report – 2008
- 2006 Technical Report – 2008

Wood Buffalo Environmental Association Human Exposure Monitoring Program 2005

- Methods and Monitoring Report and Summary Report – 2007
- Assessment of the potential Lifetime Cancer Risks Associated with Exposure to Inorganic Arsenic among the Indigenous People Living in the Wood Buffalo Region of Alberta – 2007

Wabamun and Area Community Exposure and Health Effects Assessment Program

- Final Report and Summary Report – 2006

The Alberta Oil Sands Community Exposure and Health Effects Assessment Program

- Methods Report and Technical Report and Summary Report – 2000

Other reports

- Alberta Biomonitoring Program: Chemicals in Serum of Pregnant Women and Children in Alberta – 2022 (Errata dataset)
- Alberta Biomonitoring Program – Chemicals in Serum of Children in Southern Alberta 2004–2006 – 2022 (Errata)
- Alberta Biomonitoring Program – Chemicals in Serum of Pregnant Women 2005 – 2022 (Errata)
- *Supplemental Guidance on Site-Specific Risk Assessments in Alberta – 2022
- Human Health Risks Associated with Aerially Applied Fire Retardants : Screening Level Risk Assessment – 2022
- Human Health Risks Associated with Surface Water Impacts after a Wildfire : Problem Formulation – 2021
- Multiple Chemical Sensitivity : Literature Review and State of the Science : Summary – 2021

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- Multiple Chemical Sensitivity : Literature Review and State of the Science – 2021
- Odour Thresholds in Emergency Management : A Jurisdictional Review – 2020
- Post-Disaster Food Assessment and Salvaging Best Practices : Literature Review and Jurisdictional Scan – 2020
- Post-Disaster Food Safety : Information for the Public – 2020
- Post-Disaster Food Safety : Information for Policy Makers – 2020
- Alberta Biomonitoring Program: Chemicals in Serum of Pregnant Women and Children in Alberta – 2020 (dataset)
- Smoke from Outdoor Recreational Fires and Wildfires: Jurisdictional Review and Summary of Management Options – 2018
- Horse River Wildfire Response: Environmental Monitoring, Public Health Assessment and Ecological Screening Technical Summary Document – 2018
- *Guidance for Selecting Toxicity Reference Values for Alberta Tier 1 and Tier 2 Soil and Groundwater Remediation Guidelines Document – 2017
- Odours and Human Health – 2017
- Protective Action Criteria: A Review of Their Derivation, Use, Advantages and Limitations – 2017
- Protective Action Criteria: Review Summary – 2017
- Chemicals in serum of children in southern Alberta (2004–2006) : influence of age and comparison to pregnant women – 2010
- Alberta Biomonitoring Program : Chemicals in Serum of Pregnant Women in Alberta – 2008
- Health Effects Associated with Short-term Exposure to Low Levels of Sulphur Dioxide (SO2) – A Technical Review – 2006
- Health Effects Associated with Short-Term Exposure to Low Levels of Hydrogen Sulphide (H2S) – 2002
- Fort Saskatchewan and Area Community Exposure and Health Effects Assessment Program – 2003
- The Grande Prairie and Area Community Exposure and Health Effects Assessment Program – 2002
- Maternal Risk Factors in Relationship to Birth Outcomes – 1999
- Northern River Basins Human Health Monitoring Program – 1999
- Polychlorinated Dibenzo-p-dioxin & Polychlorinated Dibenzofuran in Cow's Milk near Fort Saskatchewan, Alberta – 1998

*EPHS is not the lead author but as a contributor.

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