

Health Profile Law & Regulations

Missouri Revised Statutes (RSMo)
Chapter 260 (Environmental Control), Section 395

260.395.7(5), RSMo:

“Submit with the application for a hazardous waste disposal or treatment facility a profile of the environmental and economic characteristics of the area as required by the commission, including the extent of air pollution and groundwater contamination; and a profile of the health characteristics of the area which identifies all serious illness, the rate of which exceeds the state average for such illness, which might be attributable to environmental contamination;”

Code of State Regulations
Title 10 (Department of Natural Resources), Division 25, Chapter 7

10 CSR 25-7.264(2)(P) – Health Profiles:

“1. An owner/operator shall submit a health profile, as required by section 260.395.7(5), RSMo, with the application for a hazardous waste treatment or operating disposal facility. (A health profile is not necessary for a post-closure permit.) A health profile shall include efforts to identify any serious illnesses, the rate of which exceeds the state average for the illnesses, which might be attributable to environmental contamination. A serious illness is one which may cause or significantly contribute to an increase in morbidity and mortality or an increase in reversible or irreversible incapacitating effects on the health of humans. An owner/operator shall consult the Missouri Department of Health regarding appropriate factors to be included in the profile prior to initiating the health profile.

A. The health profile shall address five (5) main sources of data as listed and shall take into consideration—

(I) The population density around the site, as indicated by the most current census data;

(II) Mortality, as indicated by death certificate information;

(III) Incidence, as indicated by the *State Cancer Registry*;

(IV) Natality, as indicated by fetal death and birth certificate information; and

(V) Morbidity, as indicated by hospital discharge information.

B. Conditions reflecting routes of exposure shall be included in the report for all hazardous wastes to be treated or disposed of at the facility.

C. The discussion of measurements of health characteristics shall focus on comparisons between state, county and site-specific rates.

D. Site-specific rates shall include a geographic area of an approximate three to five (3—5)-mile radius around the site using zip code boundaries. Geographic areas of

larger or smaller size may be used, where approved by the Missouri Department of Health, and shall reflect the risks on a representative population. Only Missouri data is required for any site where the three to five (3—5)-mile radius extends into another state.

(I) For incinerators, special consideration shall be given to wind roses for each season with distinct meteorological conditions. In addition, calculated effluent plume paths, including areas of maximum impact and width and length of plume at ground level, should be presented.

(II) After analysis of the data required in this section, modification of the site-specific geographic area from which disease rates will be computed may be necessary with respect to the previously mentioned three to five (3—5)-mile radius around the site.

E. A minimum of five (5) years' data shall be required for a statistical analysis and averaging of rate computations. Qualitative technical difficulties in data resulting in time periods of less than five (5) years shall be fully explained and justified in the text of the report.

2. This paragraph sets forth requirements which shall be met subsequent to the initial application.

A. A health profile shall be part of each request for permit renewal.

B. Additional epidemiological investigations may be required when the rate of any illness in the area described in subparagraph (2)(P)1.D. of this rule exceeds the state average for that illness.”