



Health Profile Law & Regulations

Missouri Revised Statutes (RSMo)
Section 260.395, RSMo

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 CSR 25-7

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 initial application for a hazardous waste treatment or land disposal facility. A health profile is not necessary for facilities that must obtain post-closure care and/or corrective action permits, only. A health profile shall identify any potential serious illnesses, the rate of which exceeds the state average for the illnesses, which might be attributable to environmental contamination from any hazardous waste treatment or land disposal unit at the hazardous waste facility applying for the permit. The purpose of the information is to document the potential for exposure from the applicable hazardous waste units and to determine whether additional permit controls are necessary to ensure protection of human health. One of the following, as appropriate, may constitute a health profile for the purposes of this subsection:

A. For combustion units:

1. The information required by 40 CFR 270.10(l) for hazardous waste combustion units;
2. An evaluation of the potential risk to human health and the environment resulting from both direct and indirect exposure pathways; or
3. A Health Evaluation by the Missouri Department of Health and Senior Services requested by the facility through the department.

B. For other treatment units:

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

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

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– (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 ¶

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

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B. Conditions reflecting routes of exposure shall be included in the report for all

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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 Miss... [1]

1. An evaluation of the potential risk to human health and the environment resulting from both direct and indirect exposure pathways; or

2. A Health Evaluation by the Missouri Department of Health and Senior Services requested by the facility through the department.

C. For land disposal units:

1. The information required by 40 CFR 270.10(j);

2. An evaluation of the potential risk to human health and the environment resulting from both direct and indirect exposure pathways; or

3. A Health Evaluation by the Missouri Department of Health and Senior Services requested by the facility through the department.

2. This paragraph sets forth requirements which shall be met subsequent to the initial application for a hazardous waste treatment, storage or disposal permit.

A. If changes to the facility occur after permit issuance that may increase the potential for human exposure, an updated health profile shall be part of a facility application for permit renewal, or modification of a permit

B. Appropriate documentation to be submitted as the updated health profile shall include one of the options set out in subparagraphs (2)(P)1.A through C, or an update of a previous submittal under those requirements.

3. Additional epidemiological investigations by the Missouri Department of Health and Senior Services may be required if the information provided pursuant to subparagraph (2)(P)2.B indicates the presence of potentially unacceptable human health risks.

Notes:

Intent of changes: Since the effective date of the original health profile rules 40 CFR 270.10 (j) and (l) have been promulgated and now address essentially the same overall needs as the health profile. The federal regulations require the applicant to submit documentation regarding the potential for environmental contamination and public exposure to contaminants; thus the federally required evaluation of human health impacts can also address the intent of the Missouri statute in lieu of the original Health Profile requirements.

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- 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.

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