

State



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Director,
Office of the State Register

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List of MSAR Rules Affected*

List of rules within the Manual of State Agency Rules affected by documents published in the State Register during the current quarter beginning October 1, 1976:

Department of Administration

MoH 103 (proposed) 638

Department of Agriculture

Agr 165 and 169 (proposed) 757
Agr 1188-1191 (proposed) 911

Board of Architecture, Engineering, Land Surveying and Landscape

Architecture

AE&LS 2, 3(a) and (c), 4(a), (f), (h) (3) and (4), 9(b) and (c) (uncodified) 832
AE&LS 3(b), 4(c)-(e), 5, 7(b), (d)-(e), 8(b)-(e), 9(a), 11(a)-(d), 12 832

Board of Dentistry

DE 1-70 (uncodified) 624

Department of Education

BT 2, 3, 106, 108, 109 (proposed) 725
Edu 242-243 704

Energy Agency

EA 200-213 (proposed) 880

Department of Health

MHD 370 (g) (proposed) 889
MHD 369 (c) (3) and (g), 371, 372 (a) (1), 374, 375 908

Pollution Control Agency

NPC 4 (h) (proposed) 815

Department of Public Welfare

DPW 44 D.13. and E.1. 693
DPW 7, 27, 29, 48, 50, 57 812

Department of Revenue

Tax Ad Val 3, 7 718

Department of Transportation

Hwy 32 (proposed) 586

*New rules, both proposed and adopted, and which have never been disseminated or published, are not included in the List of MSAR Rules Affected. Rules which are listed as "uncodified" have been disseminated, but have never been published in the MSAR.

OFFICIAL NOTICES

EQC Monitor Department of Health Notice of Intent to Solicit Outside Opinion on the Safety and Health Effects of High-Voltage Transmission Lines

Notice is hereby given that the Minnesota Department of Health is seeking information from sources outside the Department on the safety and health effects associated with operation of high-voltage overhead transmission lines (HVTLs).

BACKGROUND

Public witnesses at recent hearings before the Minnesota Environmental Quality Council under its transmission line routing program, have alleged potential health hazards associated with operation of HVTLs. These allegations were not supported by information available to the Council and the Department. However, the Department proposed at the Council's September 14, 1976 meeting, that it further assess both the potential safety and health effects in order to (1) provide further technical guidance to the Council, other State agencies and the public, and (2) guide the planning for such future regulatory action as may be necessary to protect the public safety and health. A staff study is currently underway within the Department with cooperation of the Council's Power Plant Siting Staff. At the present time, additional data, information and opinions are sought from all interested parties to further the Department's investigation.

INFORMATION SOUGHT

The Department recognizes that the phenomena of greatest public concern are principally associated with "extra-high-voltage" transmission technology; that is, overhead transmission lines designed for 345 kV nominal operating voltage and higher. However, for purposes of its study, the Department had adopted the broader HVTL definition specified in the Minnesota Power Plant Siting Act (Minn. Stat. § 116C.52, subd. 3 (1974); e.g., "a conductor of electric energy and associated facilities designed for and capable of operation at a nominal voltage of 200 kilovolts or more." The Department is primarily interested in the alleged occupational and public safety and health effects associated with operation of such lines, resulting from (1) exposure to the electrostatic, electromagnetic and ion current fields; (2) flashover; and (3) direct contact. However, comparable information is also desired on the effects associated with corona discharge such as oxidant production and audible noise. The term "occupational" as used herein is intended as inclusive, with particular reference to agricultural workers.

Submissions are specifically sought addressing the following issues:

A. Measurement and analytical methods for quantifying the magnitude and spatial distribution of fields. Data and information are sought on the design, operation and validity of various techniques for measuring and estimating electrostatic, electromagnetic and ion current fields, including:

1. The availability and efficacy of instrumentation for measuring both perturbed and unperturbed steady-state static and 60 Hz fields; the validity of such measurements in perturbed fields; and comparison of measured values to theoretical or empirical model calculations.

2. Techniques for calibrating such instrumentation for use in both perturbed and unperturbed steady-state static and 60 Hz fields.

3. Data and results of measurements performed on steady-state static and 60 Hz fields associated with operating HVTLs, together with a description of the instrumentation used and information on line parameters; e.g., line configuration, line height, line current and operating voltage.

B. Design tradeoffs. Information and comments are sought on the engineering and economic factors, both design and operational, that influence the magnitude and spatial and distribution of HVTL fields; and on techniques that can be used to mitigate field effects.

C. Safety considerations. Information is sought on the potential shock hazard of conductive objects, mobile and stationary, commonly found in the vicinity of HVTL rights-of-way, resulting from induced voltages and charges, flashover or direct contact, including:

1. Measurement techniques for determining open-circuit voltages, short-circuit currents and discharge energy; comparison of measured values to theoretical or empirical model calculations; and comparison with field experience.

2. Opinions on the adequacy of the new Seventh Edition of the National Electric Safety Code, Part 2 (ANSI C2.2-1976, adopted September 16, 1976). Minn. Stat. §326.243 (1974) adopts by reference the "most recently published edition" of the NESC.

3. Opinions on criteria to be used in specifying acceptable limits for short-circuit currents and discharge energy and on whether and/or how these criteria should differ for occupational and public exposure, for on and off the right-of-way, or by land use.

4. Information on standards and practices for the location and grounding of wire fences, structures, etc.

OFFICIAL NOTICES

5. Information on the potential hazard resulting from interference of transmission line structures and conductors with agricultural operations; and on tower placement, conductor height, and other applicable standards and agricultural practices that minimize this hazard.

6. Data on the impact of fault conditions such as conductor breakage, including the magnitude of fault currents, strength of the transient electromagnetic field and time for fault isolation; and information on applicable performance standards.

7. Effects of electrostatic and electromagnetic fields, steady-state and transient, on critical life support devices such as cardiac pacemakers.

8. Information on the inspection and test programs required by the NESC, including descriptions of appropriate instrumentation, procedures and schedules.

D. Biological effects. Information is sought on all data, studies and analyses that have been conducted on animal or human subjects concerning the health effects of chronic exposure to steady-state static and 60 Hz electrostatic, electromagnetic and ion current fields; and on current and planned research programs that can be reasonably expected to produce data adequate to guide formulation of any necessary performance and/or exposure-limitation standards.

SUBMISSION OF INFORMATION

Interested parties are requested to submit written materials (preferably in triplicate) no later than February 28, 1977, addressed to:

Minnesota Department of Health
Division of Environmental Health
717 Delaware Street S.E.
Minneapolis, Minnesota 55440
ATTN: HVTL Study

Materials as received will be cataloged and available for public inspection. Further information can be obtained by calling (612) 296-5347.

Warren R. Lawson, M.D.
Commissioner of Health

Department of Administration Office of the State Register Transfer of MSAR to the Office of the State Register

Effective January 1, 1977, the Manual of State Agency Rules (MSAR) will be transferred from the Documents Sec-

tions to the Office of the State Register. Personnel of the Office of the State Register are presently preparing to codify the MSAR and to devise suitable finding aids.

Opinion and comment from the public regarding this project is hereby solicited.

George T. Morrow, II
Director

Minnesota State Agricultural Society

Notice of Meeting

The 118th annual meeting of the Minnesota State Agricultural Society, governing body of the Minnesota State Fair, will be held Jan. 23, 24 and 25 at the Leamington Hotel, Minneapolis.

A complete time schedule is available during regular business hours at the Administration Building on the Fairgrounds, Falcon Heights, or at the hotel during the meeting.

Department of Health State Board of Health

Notice of Intent to Solicit Outside Opinion on Health Screenings of Children, Crippled Children Services, and Cystic Fibrosis Program

Notice is hereby given, pursuant to the provisions of Minn. Stat. § 15.0412, subd. 6 (Supp. 1975) that the Minnesota State Board of Health will propose the adoption of new rules and the amendment and revision of existing rules.

All interested parties desiring to submit data or views relating to the proposed adoption, amendment or revision of the rules noted below should address their comments (either written or oral) to the Minnesota Department of Health, Division of Personal Health Services, 717 Delaware Street S.E., Minneapolis, Minnesota 55440, by writing or calling the persons designated. Evidence submitted for consideration should be pertinent to the matter at hand. Any materials received by the Department will become part of the hearing record.

OFFICIAL NOTICES

1. Rules relating to standards for early and periodic screening for children 0-21 years.

Contact: Sheila Swaiman
Phone: (612) 296-5286

2. Rule relating to application procedures and eligibility for crippled children services including but not limited to the new cystic fibrosis program for persons over 21.

Contact: Dr. Mildred Norval
Phone: (612) 296-5389

Any materials submitted shall be reviewed and considered by the Department of Health during the preparation of the proposed rules. Notice of the public hearing on the proposed rules shall be published in the State Register and given to all interested parties who have registered with the Secretary of State's Office in accordance with the provisions of the Administrative Procedure Act.

Under the provisions of Minn. Stat. § 10A.01, subd. 11 (1974), any individual representing persons or associations attempting to influence administrative action, such as the promulgation of these proposed rules, must register with the State Ethics Commission as a lobbyist within five days of the commencement of such activity by the individual. The State Ethics Commission is located at Room 401, State Office Building, Saint Paul, Minnesota 55155.

Warren R. Lawson, M.D.
Secretary and Executive Officer

Board of Teaching Code of Ethics for Educators

Notice of Intent to Solicit Outside Opinion

Notice is hereby given that the Board of Teaching is seeking information or opinions from sources outside the Board in preparing to propose the amendment and/or adoption of rules governing A Code of Ethics for Minnesota Educators. Any interested persons may submit data or views on this subject in writing or orally to:

Kenneth L. Peatross, Executive Secretary
MINNESOTA BOARD OF TEACHING
607 Capitol Square Building
550 Cedar Street
St. Paul, Minnesota 55101
(612) 296-2415

Any written material received by the Board shall become a part of the hearing record in the event rules governing this subject are promulgated.

Kenneth L. Peatross, Executive Secretary

ERRATA

1. 1 S.R. 864: change "Camping Products Association" to "Canvas Products Association" at FireMar 61 and 62.

2. 1 S.R. 865: change "CPA" to "CPAI" at paragraph 3.1.

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House of Representatives
Attn: Edward Burdick, Chief Clerk
Room 211 Capitol
St. Paul, Minnesota 55155

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