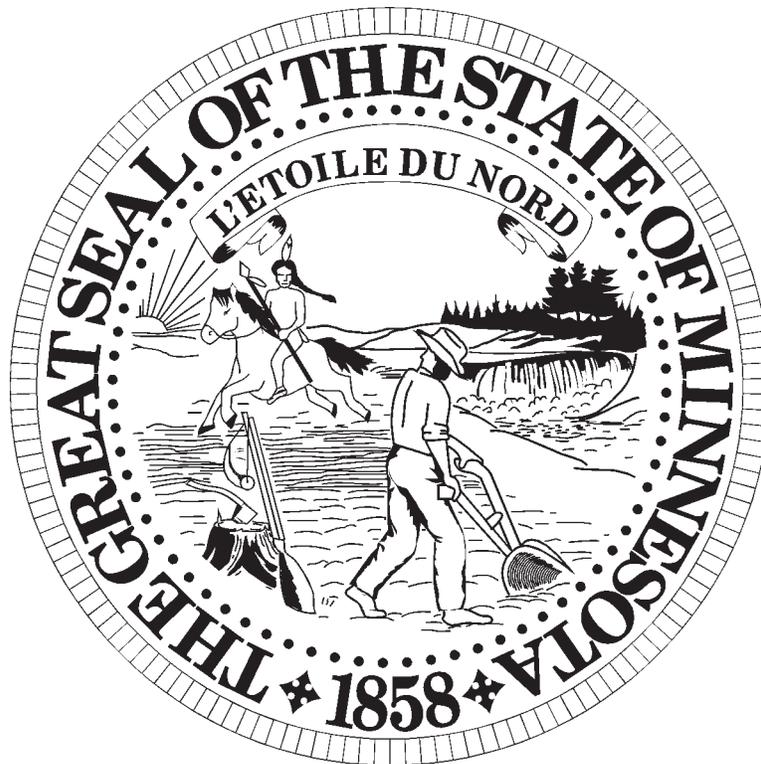


State of Minnesota

State Register



**Rules, Executive Orders, Appointments,
Commissioners' Orders, Revenue Notices, Official Notices, Grants,
State Contracts & Loans, Non-State Bids, Contracts & Grants**

Published every Monday (Tuesday when Monday is a holiday)

**Monday 13 November 2007
Volume 32, Number 20
Pages 827 - 896**

State Register

Judicial Notice Shall Be Taken of Material Published in the *State Register*

The *State Register* is the official publication of the State of Minnesota, published weekly to fulfill the legislative mandate set forth in *Minnesota Statutes* § 14.46. The *State Register* contains:

- rules of state agencies
- commissioners' orders
- state grants and loans
- executive orders of the governor
- revenue notices
- contracts for professional, technical and consulting services
- non-state public bids, contracts and grants
- appointments
- official notices

PUBLISHING NOTICES: Submit ONE COPY of your notice, typed double-spaced. State agency submissions must include a "State Register Printing Order" form, and a "Certification/Internal Contract Negotiation" form with contracts for professional, technical and consulting services. Non-State Agencies should submit ONE COPY, with a letter on your letterhead stationery requesting publication and date to be published. **E-MAIL** submissions to: robin.panlener@state.mn.us, or **FAX** to: (651) 297-8260. Please follow FAX by sending originals and applicable forms or letters. The charge is \$14.40 per tenth of a page (columns are seven inches wide). One typewritten, double-spaced page is about 4/10s of a page in the *State Register*, or \$57.60. About 2-1/2 pages typed, double-spaced, on 8-1/2"x11" paper equal one typeset page in the *State Register*. Contact the editor if you have questions.

SUBSCRIPTION SERVICES:

Copies are available at Minnesota's Bookstore, 660 Olive Street, St. Paul, MN 55155. Order by phone: Metro area: (651) 297-3000 Toll free (800) 657-3757. TTY relay service phone number: (800) 627-3529. **NO REFUNDS.** E-mail subscriptions are available by contacting (651) 297-8777. Send address changes to Minnesota's Bookstore, 660 Olive Street, St. Paul, Minnesota 55155.

SEE THE *State Register* free at **website:** <http://www.minnesotasbookstore.com>

- **State Register: On-line subscription** – \$180, includes Early View, LINKS, INDEX, and Sidebar Table of Contents *sent to you via E-mail.*
- **Single issues** are available for a limited time: *State Register* \$5.00.
- "**Affidavit of Publication**" costs \$10.00 and includes a notarized "Affidavit" and a copy of the issue.

Printing Schedule and Submission Deadlines

Vol. 32 Issue Number	PUBLISH DATE (BOLDFACE shows altered publish date)	Deadline for: Emergency Rules, Executive and Commissioner's Orders, Revenue and Official Notices, State Grants, Professional-Technical-Consulting Contracts, Non-State Bids and Public Contracts	Deadline for Proposed, Adopted and Exempt RULES
# 20	TUESDAY 13 NOVEMBER	Noon Tuesday 6 November	Noon Wednesday 31 October
# 21	Monday 19 November	Noon Tuesday 13 November	Noon Wednesday 7 November
# 22	Monday 26 November	Noon Tuesday 20 November	Noon Wednesday 14 November
# 23	Monday 3 December	Noon Tuesday 27 November	Noon Wednesday 21 November

Copyright © 2007 Materials Management Division, Department of Administration, State of Minnesota.

USPS Publication Number: 326-630 (ISSN: 0146-7751)

THE STATE REGISTER IS PUBLISHED by Materials Management Division, Department of Administration, State of Minnesota, pursuant to *Minnesota Statutes* § 14.46 and is available at main branch county libraries in Minnesota and all "State Depository Libraries:" State University and Community College libraries; University of Minnesota libraries; St. Paul, Minneapolis and Duluth Public Libraries; Legislative Reference Library; State Law Library; Minnesota Historical Society Library; and Library Development Service at the State Department of Education.

Tim Pawlenty, Governor	(651) 296-3391	Department of Administration:	<i>State Register:</i>
Carol L. Molnau, Lt. Governor	(651) 296-3391	Dana B. Badgerow, Commissioner (651) 296-1424	Robin Panlener, editor (651) 297-7963
Lori Swanson, Attorney General	(651) 297-4272	Materials Management Division:	John Mikes, assistant editor (651) 297-4616
Rebecca Otto, State Auditor	(651) 297-3670	Kent Allin, Director (651) 201-2400	Cathy Hoekstra, subscriptions (651) 297-8777
Mark Ritchie, Secretary of State	(651) 296-2079	Mary Mikes, Manager (651) 297-3979	Bonnie Karels, billing (651) 296-4912

Minnesota Legislative Information

Senate Public Information Office (651) 296-0504
State Capitol, Room 231, St. Paul, MN 55155
Website: www.senate.leg.state.mn.us/departments/secretary/seninfo.htm

House Public Information Services (651) 296-2146
State Office Building, Room 175,
100 Rev. Dr. Martin Luther King Jr Blvd., St. Paul, MN 55155
Website: www.house.leg.state.mn.us/hinfo/hinfo.htm

Minnesota State Court System

Court Information Office (651) 296-6043
MN Judicial Center, Rm. 135, 25 Rev. Dr. Martin Luther King Jr Blvd.,
St. Paul, MN 55155 **Website:** www.courts.state.mn.us

Federal Register

Office of the Federal Register (202) 512-1530; or (888) 293-6498
U.S. Government Printing Office – Fax: (202) 512-1262
Website: http://www.access.gpo.gov/su_docs/aces/aces140.html

Minnesota Rules: Amendments & Additions

Rules Index - Vol. 32, # 14-20, Oct. 1 - TUESDAY 13 Nov. 2007 830

Adopted Rules

Health Department

Adopted Permanent Rules Relating to Radiation Safety..... 831

Appointments

Health Department

Appointment of Commissioner Dr. Sanne Dail Jones Magnan..... 854

Commissioners' Orders

Natural Resources Department (DNR)

Designation of Wildlife Management Lakes..... 855

Classification of the Grand Portage and Pat Bayle State Forests and Other State Forest Lands under the Authority of the Commissioner in Cook County, Minnesota with Respect to Motor Vehicle Use..... 855

Exhibit A: State Forest Land Classification..... 857

Exhibit B: Jackson Lake Site..... 858

Designation of Forest Trails in the Grand Portage and Pat Bayle State Forests and on Other Lands under the Authority of the Commissioner in Cook County, Minnesota..... 859

Exhibit A: All Terrain Vehicle (ATV) Off Highway Motorcycle (OHM) Trail Designations..... 860

Exhibit B: Hunter Walking Trail Designations..... 861

Exhibit C: Hiking Trail Designations..... 862

Designation of Forest Roads in Cook County, Minnesota..... 863

Exhibit A: State Forest Road Designation..... 864

Classification of the Finland State Forest and Other State Forest Lands under the Authority of the Commissioner in Lake County, Minnesota with Respect to Motor Vehicle Use..... 865

Exhibit A: State Forest Land Classification..... 867

Exhibit B: Areas with limitations on off-trail and non-designated trail use..... 868

Designation of Forest Roads in Lake County, Minnesota..... 869

Exhibit A: State Forest Road Designation..... 870

Designation of Forest Trails in the Finland State Forest and on Other Lands under the Authority of the Commissioner in Lake County, Minnesota..... 871

Exhibit A: All Terrain Vehicle (ATV) Off-Highway Motorcycle (OHM) Trail Designations..... 872

Exhibit B: Hunter Walking Trail Designations..... 873

Exhibit C: Hiking Trail Designations..... 874

Public Utilities Commission

Filing and Public Hearing in the Matter of the Application of Xcel Energy for a Certificate of Need for the 100 MW Grand Meadows Wind Project in Mower County..... 875

Official Notices

Assistance with Official Notices..... 876

Agriculture Department

Minnesota Rural Finance Authority: Public Hearing on the Issuance of an Agricultural Development Revenue Bond on Behalf of Jeff and Nancy Anderson..... 876

Pesticide and Fertilizer Management Division: Request for Comment on Proposed Voluntary Best Management Practices for Nitrogen Fertilizer Use... 877

Agricultural Society, Minnesota State (Minnesota STATE FAIR)

State Fair Board of Managers to Meet November 9, 2007..... 877

Animal Health Board

Quarterly Meeting December 12, 2007..... 877

Labor and Industry Department

Labor Standards Unit: Additional Rate to Highway/Heavy Prevailing Wage Rates AND Correction to Highway/Heavy Prevailing Wage Rate.... 878

Natural Resources Department

Proposed Classification of State Forest Lands and Forest Road/Trail Designations in Clearwater, Hubbard, and Southwest Beltrami Counties with Respect to Motor Vehicle Use..... 878

Department of Public Safety

Bureau of Criminal Apprehension: Information Meeting December 13, 2007.... 879

State Grants & Loans

Bidding Help..... 880

Health Department

Office of Rural Health and Primary Care, Minnesota Rural Flex Grant Program: Grant Availability..... 880

Human Services Department

Chemical Health Division: Request for Proposals to Provide Health Care for Chronic Chemically Dependent and Homeless Persons..... 881

Deaf and Hard of Hearing Services Division: Request for Proposal (RFP) to Provide Training to Serve Disabled by of Hearing and Vision Loss..... 882

State Contracts

Bidding Assistance for Contracts..... 883

Colleges and Universities, Minnesota State (MnSCU)

Metropolitan State University:

Request for Proposals for Delivered Catering Services..... 883

Winona State University:

Advertisement for Request for Proposal for Architectural/Engineering Services for 2010 Residence Hall..... 884

Request for Bids for Extreme Data Network Hardware and Software Ethernet Switches..... 885

Request for Bids for Equipment, Software and Installation for an AVST Voice Mail System..... 885

Corrections Department

Request for Proposals (RFP) to Conduct an Evaluation of the High-Risk Adult Demonstration Project..... 886

Higher Education Office

Request for Proposals to Provide Spanish Translation Services for its Get Ready/GEAR UP Program..... 886

Minnesota Historical Society

Request for Proposals for a Reuse Study and Plan for Cavalry Barracks, Cavalry Stable, and Ordnance Building at Historic Fort Snelling..... 887

Human Services Department

Child Support Enforcement Division: Availability of Contract to Provide Analysis of Child Support Service Delivery Model..... 887

State Operated Services: Availability of Contract for Supplemental Nursing Staff..... 888

Transportation Department (Mn/DOT)

Contracting Opportunities ("Consultant Pre-Qualification Program")..... 889

Professional/Technical Contract Opportunities..... 889

Non-State Bids, Contracts & Grants

City of Saint Cloud, MN

Request for Proposals (RFP) for Engineering and Planning Consulting Services for the University Drive Corridor from 5th Avenue South to Trunk Highway 10..... 890

Metropolitan Council

Invitation for Bids (IFB) for the Purchase of a Closed-Circuit Television Inspection Vehicle..... 890

Invitation for Bids (IFB) for the Rental of Two 2 MW Generators for Standby Power at the Effluent Pumping Station at the Metropolitan Wastewater Treatment Plant from March through May of 2008..... 891

Invitation for Bids (IFB) for Uniform Rental Services..... 891

Metropolitan Council - Metro Transit

Invitation for Bids for Elevated Tactical Surveillance Platform..... 892

Sealed Bids Sought for Elevator/Escalator Maintenance Service..... 892

ServeMinnesota: National and Community Service

Announcement of 2008-2009 AmeriCorps*State Request for Proposal..... 893

University of Minnesota

Subscribe to Bid Information Service (BIS)..... 893

Washington County Public Works

Transportation Department: Request for Proposals for Engineering Services Broadway Avenue/County State Aid Highway (CSAH) 2 Reconstruction.... 893

Minnesota Rules: Amendments and Additions

NOTICE: How to Follow State Agency Rulemaking in the State Register

The *State Register* is the official source, and only complete listing, for all state agency rulemaking in its various stages. State agencies are required to publish notice of their rulemaking action in the *State Register*. Published every Monday, the *State Register* makes it easy to follow and participate in the important rulemaking process. Approximately 80 state agencies have the authority to issue rules. Each agency is assigned specific **Minnesota Rule** chapter numbers. Every odd-numbered year the **Minnesota Rules** are published. The current 1999 set is a 13-volume bound collection of all adopted rules in effect at the time. Supplements are published to update this set of rules. Generally speaking, proposed and adopted exempt rules do not appear in this set because of their short-term nature, but are published in the *State Register*.

An agency must first solicit **Comments on Planned Rules** or **Comments on Planned Rule Amendments** from the public on the subject matter of a possible rulemaking proposal under active consideration within the agency (*Minnesota Statutes* §§ 14.101). It does this by publishing a notice in the *State Register* at least 60 days before publication of a notice to adopt or a notice of hearing, or within 60 days of the effective date of any new statutory grant of required rulemaking.

When rules are first drafted, state agencies publish them as **Proposed Rules**, along with a notice of hearing, or a notice of intent to adopt rules without a hearing in the case of noncontroversial rules. This notice asks for comment on the rules as proposed. Proposed emergency rules and withdrawn proposed rules are also published in the *State Register*. After proposed rules have gone through the comment period, and have been rewritten into their final form, they again appear in the *State Register* as **Adopted Rules**. These final adopted rules are not printed in their entirety in the *State Register*, only the changes made since their publication as Proposed Rules. To see the full rule, as adopted and in effect, a person simply needs two issues of the *State Register*, the issue the rule appeared in as proposed, and later as adopted. For a more detailed description of the rulemaking process, see the most current edition of the *Minnesota Guidebook to State Agency Services*.

The *State Register* features partial and cumulative listings of rules in this section on the following schedule: issues #1-13 inclusive; issues #14-25 inclusive; issue #26 cumulative for issues #1-26; issues #27-38 inclusive; issue #39, cumulative for issues #1-39; issues #40-51 inclusive; and issues #1-52 (or 53 in some years), cumulative for issues #1-52 (or 53). An annual subject matter index for rules was separately printed usually in August, but starting with Volume 19 now appears in the final issue of each volume. For copies or subscriptions to the *State Register*, contact Minnesota's Bookstore, 660 Olive Street (one block east of I-35E and one block north of University Ave), St. Paul, MN 55155 (612) 297-3000, or toll-free 1-800-657-3757.

Rules Index: Volume 32 - Issues # 14-19

Monday 1 October 2007 - Monday 5 November 2007

(For issues # 1 - 13, Monday 2 July 2007 - Monday 24 September 2007, SEE issue #13. Cumulative Index will next appear in issue #26, December 31, 2007)

Building Codes - Labor and Industry Department

1330 (repealed)..... 760

Chiropractic Examiners Board

2500.5010 (proposed)..... 693

Education Department

3525.0210; .0300; .0400; .0550; .0700; .0750; .0755; .0800; .0850; .0855; .0860; .0865; .0870; .1100; .1310; .1325; .1327; .1329; .1331; .1333; .1335; .1337; .1339; .1341; .1343; .1345; .1348; .1350; .1352; .1354; .1400; .1550; .2325; .2335; .2340; .2350; .2440; .2445; .2450; .2455; .2550; .2720; .2810; .2900; .3010; .3100; .3600; .3700; .3900; .4010; .4110; .4420; .4700; .4750; .4770 (proposed)..... 695
 3525.0210 s. 2, 3, 5, 6, 7, 8, 9, 13, 17, 18, 26, 29, 30, 36, 38, 46, 47; .0800 s. 1, 3, 4, 6, 7, 8, 9; .2435; .2710; .2810 s. 3, 4, 5; .2900 s. 5; .3900 s. 3 (proposed repealer)..... 695
 3525.1350 (adopted)..... 653

Health Department

4730 (repealed)..... 777
 4731 (adopted)..... 831
 4732 (adopted)..... 777

Higher Education Services Office

4850.0011; .0012; .0014; .0018; .0020; .0021; .0022; .0024 (proposed)..... 603
 4850.0011, s. 27 (repealed)..... 603

Natural Resources Department

6236.0815; .1060 (adopted expedited emergency)..... 803

Revenue Department

8130.2700 (adopted)..... 603
 8130.5800 (proposed)..... 753
 8130.5800 s. 7 (proposed repealer)..... 753

Board of Teaching Board

8710.4770 (proposed)..... 653

Transportation Department

8820.4090; .9920; .9981; .9995 (adopted)..... 608

Contracts information is available from the Materials Management Helpline (651) 296-2600, or Web site: www.mmd.admin.state.mn.us

State Register information is available from Minnesota's Bookstore (651) 297-3000, or (800) 657-3757, Web site: www.minnesotasbookstore.com

Adopted Rules

A rule becomes effective after the requirements of *Minnesota Statutes* §§ 14.05-14.28 have been met and five working days after the rule is published in the *State Register*, unless a later date is required by statutes or specified in the rule. If an adopted rule is identical to its proposed form as previously published, a notice of adoption and a citation to its previous *State Register* publication will be printed. If an adopted rule differs from its proposed form, language which has been deleted will be printed with strikeouts and new language will be underlined. The rule's previous *State Register* publication will be cited.

KEY: Proposed Rules - Underlining indicates additions to existing rule language. ~~Strikeouts~~ indicate deletions from existing rule language. If a proposed rule is totally new, it is designated "all new material." **Adopted Rules** - Underlining indicates additions to proposed rule language. ~~Strikeout~~ indicates deletions from proposed rule language.

Department of Health

Adopted Permanent Rules Relating to Radiation Safety

The rules proposed and published at *State Register*, Volume 32, Number 5, pages 247-249, July 30, 2007 (32 SR 247), are adopted with the following modifications:

4731.0100 DEFINITIONS.

Subp. 22. **Authorized medical physicist.** "Authorized medical physicist" means an individual who:

B. is identified as an authorized medical physicist or teletherapy physicist on:

(4) a permit issued by an NRC master material ~~license~~ license broad scope medical use permittee.

4731.0200 GENERAL APPLICATIONS.

Subp. 4. **Submissions.** Except as otherwise specified in this chapter, all communications and reports under this chapter must be addressed to or delivered in person to: Radioactive Materials Unit, Minnesota Department of Health, ~~Radiation Control~~; 625 Robert Street N, P.O. Box 64975, St. Paul, MN 55164-0975.

4731.0355 RECIPROCITY.

Subpart 1. **Application; recognition.**

A. Applications for reciprocal recognition of licenses issued by the NRC or other agreement states may be made by completing a report of proposed activity reciprocity form prescribed by the commissioner. The form may be obtained by contacting the Radioactive Materials Unit, Minnesota Department of Health, ~~Radiation Control~~; 625 Robert Street N, P.O. Box 64975, St. Paul, MN 55164-0975.

4731.0422 A₁ AND A₂ VALUES FOR RADIONUCLIDES.

Subp. 2. **Specific activity.** This subpart specifies specific activity for individual radionuclides.

Element and Atomic

Number and

Symbol of

Radionuclide

Specific Activity

(Tbq/g)

(Ci/g)

Actinium (89)

Ac225

2.1 x 10³

5.8 x 10⁴

Ac227

2.7

7.2 x 10¹

Ac228

8.4 x 10⁴

2.2 x 10⁶

Silver (47)

Ag 105

1.1 x 10³

3.0 x 10⁴

Ag108m

9.7 x 10¹

2.6 x 10¹

Ag110m

1.8 x 10²

4.7 x 10³

Ag111

5.8 x 10³

1.6 x 10⁵

Aluminum (13)

Al26

7.0 x 10⁴

1.9 x 10²

Adopted Rules

Americium (95)

Am 241	1.3×10^1	3.4
Am242m	3.6×10^1	1.0×10^1
Am243	7.4×10^3	2.0×10^1

Argon (18)

Ar37	3.7×10^3	9.9×10^4
Ar39	1.3	3.4×10^1
Ar41	1.5×10^6	4.2×10^7
Ar42	9.6	2.6×10^2

Arsenic (33)

As72	6.2×10^4	1.7×10^6
As73	8.2×10^2	2.2×10^4
As74	3.7×10^3	9.9×10^4
As76	5.8×10^4	1.6×10^6
As77	3.9×10^4	1.0×10^6

Astatine (85)

At211	7.6×10^4	2.1×10^6
-------	-------------------	-------------------

Gold (79)

Au193	3.4×10^4	9.2×10^5
Au194	1.5×10^4	4.1×10^5
Au195	1.4×10^2	3.7×10^3
Au196	4.0×10^3	1.1×10^5
Au198	9.0×10^3	2.4×10^5
Au199	7.7×10^3	2.1×10^5

Barium (56)

Ba 131	3.1×10^3	8.4×10^4
Ba133m	2.2×10^4	6.1×10^5
Ba133	9.4	2.6×10^2
Ba140	2.7×10^3	7.3×10^4

Beryllium (4)

Be7	1.3×10^4	3.5×10^5
Be10	8.3×10^4	2.2×10^2

Bismuth (83)

Bi205	1.5×10^3	4.2×10^4
Bi206	3.8×10^3	1.0×10^5
Bi207	1.9	5.2×10^1
Bi210m	2.1×10^5	5.7×10^4
Bi210	4.6×10^3	1.2×10^5
Bi212	5.4×10^5	1.5×10^7

Berkelium (97)

Bk247	3.8×10^2	1.0
Bk249	6.1×10^1	1.6×10^3

Bromine (35)

Br 76	9.4×10^4	2.5×10^6
Br77	2.6×10^4	7.1×10^5

Br82	4.0 x 10 ⁴	1.1 x 10 ⁶
Carbon (6)		
C11	3.1 x 10 ⁷	8.4 x 10 ⁸
C14	1.6 x 10 ¹	4.5
Calcium (20)		
Ca41	3.1 x 10 ³	8.5 x 10 ²
Ca45	6.6 x 10 ²	1.8 x 10 ⁴
Ca47	2.3 x 10 ⁴	6.1 x 10 ⁵
Cadmium (48)		
Cd109	9.6 x 10 ¹	2.6 x 10 ³
Cd113m	8.3	2.2 x 10 ²
Cd115m	9.4 x 10 ²	2.5 x 10 ⁴
Cd115	1.9 x 10 ⁴	5.1 x 10 ⁵
Cerium (58)		
Ce139	2.5 x 10 ²	6.8 x 10 ³
Ce141	1.1 x 10 ³	2.8 x 10 ⁴
Ce143	2.5 x 10 ⁴	6.6 x 10 ⁵
Ce144	1.2 x 10 ²	3.2 x 10 ³
Californium (98)		
Cf248	5.8 x 10 ¹	1.6 x 10 ³
Cf249	1.5 x 10 ¹	4.1
Cf 250	4.0	1.1 x 10 ²
Cf251	5.9 x 10 ²	1.6
Cf252	2.0 x 10 ¹	5.4 x 10 ²
Cf253	1.1 x 10 ³	2.9 x 10 ⁴
Cf254	3.1 x 10 ²	8.5 x 10 ³
Chlorine (17)		
Cl36	1.2 x 10 ³	3.3 x 10 ²
Cl38	4.9 x 10 ⁶	1.3 x 10 ⁸
Curium (96)		
Cm240	7.5 x 10 ²	2.0 x 10 ⁴
Cm241	6.1 x 10 ²	1.7 x 10 ⁴
Cm242	1.2 x 10 ²	3.3 x 10 ³
Cm243	1.9 x 10 ³	5.2 x 10 ¹
Cm244	3.0	8.1 x 10 ¹
Cm245	6.4 x 10 ³	1.7 x 10 ¹
Cm246	1.1 x 10 ²	3.1 x 10 ¹
Cm247	3.4 x 10 ⁶	9.3 x 10 ⁵
Cm248	1.6 x 10 ⁵	4.2 x 10 ³
Cobalt (27)		
Co 55	1.1 x 10 ⁵	3.1 x 10 ⁶
Co56	1.1 x 10 ³	3.0 x 10 ⁴
Co57	3.1 x 10 ²	8.4 x 10 ³
Co58m	2.2 x 10 ⁵	5.9 x 10 ⁶
Co58	1.2 x 10 ³	3.2 x 10 ⁴
Co60	4.2 x 10 ¹	1.1 x 10 ³

Adopted Rules

Chromium (24)

Cr51	3.4×10^3	9.2×10^4
------	-------------------	-------------------

Cesium (55)

Cs129	2.8×10^4	7.6×10^5
Cs131	3.8×10^3	1.0×10^5
Cs132	5.7×10^3	1.5×10^5
Cs134m	3.0×10^5	8.0×10^6
Cs134	4.8×10^1	1.3×10^3
Cs135	4.3×10^5	1.2×10^3
Cs136	2.7×10^3	7.3×10^4
Cs137	3.2	8.7×10^1

Copper (29)

Cu64	1.4×10^5	3.9×10^6
Cu67	2.8×10^4	7.6×10^5

Dysprosium (66)

Dy159	2.1×10^2	5.7×10^3
Dy165	3.0×10^5	8.2×10^6
Dy166	8.6×10^3	2.3×10^5

Erbium (68)

Er169	3.1×10^3	8.3×10^4
Er171	9.0×10^4	2.4×10^6

Einsteinium (99)

Es253	---	---
Es254	---	---
Es254m	---	---
Es255	---	---

Europium (63)

Eu147	1.4×10^3	3.7×10^4
Eu148	6.0×10^2	1.6×10^4
Eu149	3.5×10^2	9.4×10^3
Eu150	6.1×10^4	1.6×10^6
Eu152m	8.2×10^4	2.2×10^6
Eu152	6.5	1.8×10^2
Eu154	9.8	2.6×10^2
Eu155	1.8×10^1	4.9×10^2
Eu156	2.0×10^3	5.5×10^4

Fluorine (9)

F18	3.5×10^6	9.5×10^7
-----	-------------------	-------------------

Iron (26)

Fe52	2.7×10^5	7.3×10^6
Fe55	8.8×10^1	2.4×10^3
Fe59	1.8×10^3	5.0×10^4
Fe60	7.4×10^4	2.0×10^2

Fermium (100)

Fm255	---	---
-------	-----	-----

Fm257	---	---
Gallium (31)		
Ga67	2.2×10^4	6.0×10^5
Ga68	1.5×10^6	4.1×10^7
Ga72	1.1×10^5	3.1×10^6
Gadolinium (64)		
Gd146	6.9×10^2	1.9×10^4
Gd148	1.2	3.2×10^1
Gd 153	1.3×10^2	3.5×10^3
Gd159	3.9×10^4	1.1×10^6
Germanium (32)		
Ge68	2.6×10^2	7.1×10^3
Ge71	5.8×10^3	1.6×10^5
Ge77	1.3×10^5	3.6×10^6
Hydrogen (1)		
H3 (T)	3.6×10^2	9.7×10^3
Hafnium (72)		
Hf172	4.1×10^1	1.1×10^3
Hf175	3.9×10^2	1.1×10^4
Hf181	6.3×10^2	1.7×10^4
Hf182	8.1×10^6	2.2×10^4
Mercury (80)		
Hg194	1.3×10^1	3.5
Hg195m	1.5×10^4	4.0×10^5
Hg197m	2.5×10^4	6.7×10^5
Hg197	9.2×10^3	2.5×10^5
Hg203	5.1×10^2	1.4×10^4
Holmium (67)		
Ho163	2.7	7.6×10^1
Ho166m	6.6×10^2	1.8
Ho166	2.6×10^4	7.0×10^5
Iodine (53)		
I123	7.1×10^4	1.9×10^6
I124	9.3×10^3	2.5×10^5
I125	6.4×10^2	1.7×10^4
I126	2.9×10^3	8.0×10^4
I129	6.5×10^6	1.8×10^4
I131	4.6×10^3	1.2×10^5
I132	3.8×10^5	1.0×10^7
I133	4.2×10^4	1.1×10^6
I134	9.9×10^5	2.7×10^7
I135	1.3×10^5	3.5×10^6
Indium (49)		
In111	1.5×10^4	4.2×10^5

Adopted Rules

In113m	6.2×10^5	1.7×10^7
<u>In113m</u>	<u>6.2×10^5</u>	<u>1.7×10^7</u>
In114m	8.6×10^2	2.3×10^4
<u>In114m</u>	<u>8.6×10^2</u>	<u>2.3×10^4</u>
In115m	2.2×10^5	6.1×10^6
Iridium (77)		
Ir189	1.9×10^3	5.2×10^4
Ir190	2.3×10^3	6.2×10^4
Ir192	3.4×10^2	9.2×10^3
Ir193m	2.4×10^3	6.4×10^4
Ir194	3.1×10^4	8.4×10^5
Potassium (19)		
K40	2.4×10^7	6.4×10^6
K42	2.2×10^5	6.0×10^6
K43	1.2×10^5	3.3×10^6
Krypton (36)		
Kr81	7.8×10^4	2.1×10^2
Kr85m	3.0×10^5	8.2×10^6
Kr85	1.5×10^1	3.9×10^2
Kr87	1.0×10^6	2.8×10^7
Lanthanum (57)		
La137	1.6×10^3	4.4×10^2
La140	2.1×10^4	5.6×10^5
Lutetium (71)		
Lu172	4.2×10^3	1.1×10^5
Lu173	5.6×10^1	1.5×10^3
Lu174m	2.0×10^2	5.3×10^3
Lu174	2.3×10^1	6.2×10^2
Lu177	4.1×10^3	1.1×10^5
Magnesium (12)		
Mg28	2.0×10^5	5.4×10^6
Manganese (25)		
Mn52	1.6×10^4	4.4×10^5
Mn53	6.8×10^5	1.8×10^3
Mn54	2.9×10^2	7.7×10^3
Mn56	8.0×10^5	2.2×10^7
Molybdenum (42)		
Mo93	4.1×10^2	1.1
Mo99	1.8×10^4	4.8×10^5
Nitrogen (7)		
N13	5.4×10^7	1.5×10^9

Adopted Rules

Sodium (11)		
Na22	2.3 x 10 ²	6.3 x 10 ³
Na24	3.2 x 10 ⁵	8.7 x 10 ⁶
Niobium (41)		
Nb92m	5.2 x 10 ³	1.4 x 10 ⁵
Nb93m	8.8	2.4 x 10 ²
Nb94	6.9 x 10 ³	1.9 x 10 ¹
Nb95	1.5 x 10 ³	3.9 x 10 ⁴
Nb97	9.9 x 10 ⁵	2.7 x 10 ⁷
Neodymium (60)		
Nd147	3.0 x 10 ³	8.1 x 10 ⁴
Nd149	4.5 x 10 ⁵	1.2 x 10 ⁷
Nickel (28)		
Ni59	3.0 x 10 ³	8.0 x 10 ²
Ni63	2.1	5.7 x 10 ¹
Ni65	7.1 x 10 ⁵	1.9 x 10 ⁷
Neptunium (93)		
Np235	5.2 x 10 ¹	1.4 x 10 ³
Np236	4.7 x 10 ⁴	1.3 x 10 ²
Np237	2.6 x 10 ⁵	7.1 x 10 ⁴
Np239	8.6 x 10 ³	2.3 x 10 ⁵
Osmium (76)		
Os185	2.8 x 10 ²	7.5 x 10 ³
Os191m	4.6 x 10 ⁴	1.3 x 10 ⁶
Os191	1.6 x 10 ³	4.4 x 10 ⁴
Os193	2.0 x 10 ⁴	5.3 x 10 ⁵
Os194	1.1 x 10 ¹	3.1 x 10 ²
Phosphorus (15)		
P32	1.1 x 10 ⁴	2.9 x 10 ⁵
P33	5.8 x 10 ³	1.6 x 10 ⁵
Protactinium (91)		
Pa230	1.2 x 10 ³	3.3 x 10 ⁴
Pa231	1.7 x 10 ³	4.7 x 10 ²
Pa233	7.7 x 10 ²	2.1 x 10 ⁴
Lead (82)		
Pb201	6.2 x 10 ⁴	1.7 x 10 ⁶
Pb202	1.2 x 10 ⁴	3.4 x 10 ³
Pb203	1.1 x 10 ⁴	3.0 x 10 ⁵
Pb205	4.5 x 10 ⁶	1.2 x 10 ⁴
Pb210	2.8	7.6 x 10 ¹
Pb212	5.1 x 10 ⁴	1.4 x 10 ⁶
Palladium (46)		
Pd103	2.8 x 10 ³	7.5 x 10 ⁴
Pd107	1.9 x 10 ⁵	5.1 x 10 ⁴
Pd109	7.9 x 10 ⁴	2.1 x 10 ⁶

Adopted Rules

Promethium (61)

Pm143	1.3×10^2	3.4×10^3
Pm144	9.2×10^1	2.5×10^3
Pm145	5.2	1.4×10^2
Pm147	3.4×10^1	9.3×10^2
Pm148m	7.9×10^2	2.1×10^4
Pm149	1.5×10^4	4.0×10^5
Pm151	2.7×10^4	7.3×10^5

Polonium (84)

Po208	2.2×10^1	5.9×10^2
Po209	6.2×10^1	1.7×10^1
Po210	1.7×10^2	4.5×10^3

Praseodymium (59)

Pr142	4.3×10^4	1.2×10^6
Pr143	2.5×10^3	6.7×10^4

Platinum (78)

Pt188	2.5×10^3	6.8×10^4
Pt191	8.7×10^3	2.4×10^5
Pt193m	5.8×10^3	1.6×10^5
Pt193	1.4	3.7×10^1
Pt195m	6.2×10^3	1.7×10^5
Pt197m	3.7×10^5	1.0×10^7
Pt197	3.2×10^4	8.7×10^5

Plutonium (94)

Pu236	2.0×10^1	5.3×10^2
Pu237	4.5×10^2	1.2×10^4
Pu238	6.3×10^1	1.7×10^1
Pu239	2.3×10^3	6.2×10^2
Pu240	8.4×10^3	2.3×10^1
Pu241	3.8	1.0×10^2
Pu242	1.5×10^4	3.9×10^3
Pu244	6.7×10^7	1.8×10^5

Radium (88)

Ra223	1.9×10^3	5.1×10^4
Ra224	5.9×10^3	1.6×10^5
Ra225	1.5×10^3	3.9×10^4
Ra226	3.7×10^2	1.0
Ra228	1.0×10^1	2.7×10^2

Rubidium (37)

Rb81	3.1×10^5	8.4×10^6
Rb83	6.8×10^2	1.8×10^4
Rb84	1.8×10^3	4.7×10^4
Rb86	3.0×10^3	8.1×10^4
Rb87	3.2×10^9	8.6×10^8
Rb (natural)	6.7×10^6	1.8×10^8

Rhenium (75)

Re183	3.8×10^2	1.0×10^4
-------	-------------------	-------------------

Adopted Rules

Re184m	1.6×10^2	4.3×10^3
Re184	6.9×10^2	1.9×10^4
Re186	6.9×10^3	1.9×10^5
Re187	1.4×10^9	3.8×10^8
Re188	3.6×10^4	9.8×10^5
Re189	2.5×10^4	6.8×10^5
Re (natural)	- - -	2.4×10^8
Rhodium (45)		
Rh99	3.0×10^3	8.2×10^4
Rh101	4.1×10^1	1.1×10^3
Rh102m	2.3×10^2	6.2×10^3
Rh102	4.5×10^1	1.2×10^3
Rh103m	1.2×10^6	3.3×10^7
Rh105	3.1×10^4	8.4×10^5
Radon (86)		
Rn222	5.7×10^3	1.5×10^5
Ruthenium (44)		
Ru97	1.7×10^4	4.6×10^5
Ru103	1.2×10^3	3.2×10^4
Ru105	2.5×10^5	6.7×10^6
Ru106	1.2×10^2	3.3×10^3
Sulfur (16)		
S35	1.6×10^3	4.3×10^4
Antimony (51)		
Sb122	1.5×10^4	4.0×10^5
Sb124	6.5×10^2	1.7×10^4
Sb125	3.9×10^1	1.0×10^3
Sb126	3.1×10^3	8.4×10^4
Scandium (21)		
Sc44	6.7×10^5	1.8×10^7
Sc46	1.3×10^3	3.4×10^4
Sc47	3.1×10^4	8.3×10^5
Sc48	5.5×10^4	1.5×10^6
Selenium (34)		
Se75	5.4×10^2	1.5×10^4
Se79	2.6×10^3	7.0×10^2
Silicon (14)		
Si31	1.4×10^6	3.9×10^7
Si32	3.9	1.1×10^2
Samarium (62)		
Sm145	9.8×10^1	2.6×10^3
Sm147	8.5×10^1	2.3×10^8
Sm151	9.7×10^1	2.6×10^1
Sm153	1.6×10^4	4.4×10^5

Adopted Rules

Tin (50)

Sn113	3.7×10^2	1.0×10^4
Sn117m	3.0×10^3	8.2×10^4
Sn119m	1.4×10^2	3.7×10^3
Sn121m	2.0	5.4×10^1
Sn123	3.0×10^2	8.2×10^3
Sn125	4.0×10^3	1.1×10^5
Sn126	1.0×10^3	2.8×10^2

Strontium (38)

Sr82	2.3×10^3	6.2×10^4
Sr85m	1.2×10^6	3.3×10^7
Sr85	8.8×10^2	2.4×10^4
Sr87m	4.8×10^5	1.3×10^7
Sr89	1.1×10^3	2.9×10^4
Sr90	5.1	1.4×10^2
Sr91	1.3×10^5	3.6×10^6
Sr92	4.7×10^5	1.3×10^7

Tritium (1)

T (H3)	3.6×10^2	9.7×10^3
--------	-------------------	-------------------

Tantalum (73)

Ta178	4.2×10^6	1.1×10^8
Ta179	4.1×10^1	1.1×10^3
Ta182	2.3×10^2	6.2×10^3

Terbium (65)

Tb157	5.6×10^1	1.5×10^1
Tb158	5.6×10^1	1.5×10^1
Tb160	4.2×10^2	1.1×10^4

Technetium (43)

Tc95m	8.3×10^2	2.2×10^4
Tc96m	1.4×10^6	3.8×10^7
Tc96	1.2×10^4	3.2×10^5
Tc97m	5.6×10^2	1.5×10^4
Tc97	5.2×10^5	1.4×10^3
Tc98	3.2×10^5	8.7×10^4
Tc99m	1.9×10^5	5.3×10^6
Tc99	6.3×10^4	1.7×10^2

Tellurium (52)

Te118	6.8×10^3	1.8×10^5
Te121m	2.6×10^2	7.0×10^3
Te121	2.4×10^3	6.4×10^4
Te123m	3.3×10^2	8.9×10^3
Te125m	6.7×10^2	1.8×10^4
Te127m	3.5×10^2	9.4×10^3
Te127	9.8×10^4	2.6×10^6
Te129m	1.1×10^3	3.0×10^4
Te129	7.7×10^5	2.1×10^7
Te131m	3.0×10^4	8.0×10^5
Te132	1.1×10^4	8.0×10^5

Thorium (90)		
Th227	1.1 x 10 ³	3.1 x 10 ⁴
Th228	3.0 x 10 ¹	8.2 x 10 ²
Th229	7.9 x 10 ³	2.1 x 10 ¹
Th230	7.6 x 10 ⁴	2.1 x 10 ²
Th231	2.0 x 10 ⁴	5.3 x 10 ⁵
Th232	4.0 x 10 ⁹	1.1 x 10 ⁷
Th234	8.6 x 10 ²	2.3 x 10 ⁴
Th (natural)	8.1 x 10 ⁹	2.2 x 10 ⁷
Titanium (22)		
Ti44	6.4	1.7 x 10 ²
Thallium (81)		
Tl200	2.2 x 10 ⁴	6.0 x 10 ⁵
Tl201	7.9 x 10 ³	2.1 x 10 ⁵
Tl202	2.0 x 10 ³	5.3 x 10 ⁴
Tl204	1.7 x 10 ¹	4.6 x 10 ²
Thulium (69)		
Tm167	3.1 x 10 ³	8.5 x 10 ⁴
Tm168	3.1 x 10 ²	8.3 x 10 ³
Tm170	2.2 x 10 ²	6.0 x 10 ³
Tm171	4.0 x 10 ¹	1.1 x 10 ³
Uranium (92)		
U230	1.0 x 10 ³	2.7 x 10 ⁴
U232	8.3 x 10 ¹	2.2 x 10 ¹
U233	3.6 x 10 ⁴	9.7 x 10 ³
U234	2.3 x 10 ⁴	6.2 x 10 ³
U235	8.0 x 10 ⁸	2.2 x 10 ⁶
U236	2.4 x 10 ⁶	6.5 x 10 ⁵
U238	1.2 x 10 ⁸	3.4 x 10 ⁷
U (natural)	2.6 x 10 ⁸	7.1 x 10 ⁷
U (enriched 5% or less)	---	(See part 4731.0424)
U (enriched more than 5%)	---	(See part 4731.0424)
U (depleted)	---	(See part 4731.0424)
Vanadium (23)		
V48	6.3 x 10 ³	1.7 x 10 ⁵
V49	3.0 x 10 ²	8.1 x 10 ³
Tungsten (74)		
W178	1.3 x 10 ³	3.4 x 10 ⁴
W181	2.2 x 10 ²	6.0 x 10 ³
W185	3.5 x 10 ²	9.4 x 10 ³
W187	2.6 x 10 ⁴	7.0 x 10 ⁵
W188	3.7 x 10 ²	1.0 x 10 ⁴
Xenon (54)		
Xe122	4.8 x 10 ⁴	1.3 x 10 ⁶
Xe123	4.4 x 10 ⁵	1.2 x 10 ⁷
Xe127	1.0 x 10 ³	2.8 x 10 ⁴

Adopted Rules

Xe131m	3.1×10^3	8.4×10^4
Xe133	6.9×10^3	1.9×10^5
Xe135	9.5×10^4	2.6×10^6
Yttrium (39)		
Y87	1.7×10^4	4.5×10^5
Y88	5.2×10^2	1.4×10^4
Y90	2.0×10^4	5.4×10^5
Y91m	1.5×10^6	4.2×10^7
Y91	9.1×10^2	2.5×10^4
Y92	3.6×10^5	9.6×10^6
Y93	1.2×10^5	3.3×10^6
Ytterbium (70)		
Yb169	8.9×10^2	2.4×10^4
Yb175	6.6×10^3	1.8×10^5
Zinc (30)		
Zn65	3.0×10^2	8.2×10^3
Zn69m	1.2×10^5	3.3×10^6
Zn69	1.8×10^6	4.9×10^7
Zirconium (40)		
Zr88	6.6×10^2	1.8×10^4
Zr93	9.3×10^5	2.5×10^3
Zr95	7.9×10^2	2.1×10^4
Zr97	7.1×10^4	1.9×10^6

Subp. 3. **Exempt material activity concentrations and exempt consignment activity limits.** This subpart specifies exempt material activity concentrations and exempt consignment activity levels for radionuclides.

Element and atomic number and symbol of radionuclide	Activity concentration for exempt material (Bq/g)	Activity concentration for exempt material (Ci/g)	Activity limit for exempt consignment (Bq)	Activity limit for exempt consignment (Ci)
Actinium (89)				
Ac225	1.0×10^1	2.7×10^{10}	1.0×10^4	2.7×10^7
Ac227	1.0×10^1	2.7×10^{12}	1.0×10^3	2.7×10^8
Ac228	1.0×10^1	2.7×10^{10}	1.0×10^6	2.7×10^5
Silver (47)				
Ag 105	1.0×10^2	2.7×10^9	1.0×10^6	2.7×10^5
Ag108m ^a	1.0×10^1	2.7×10^{10}	1.0×10^6	2.7×10^5
Ag110m	1.0×10^1	2.7×10^{10}	1.0×10^6	2.7×10^5
Ag111	1.0×10^3	2.7×10^8	1.0×10^6	2.7×10^5
Aluminum (13)				
Al26	1.0×10^1	2.7×10^{10}	1.0×10^5	2.7×10^6
Americium (95)				
Am241	1.0	2.7×10^{11}	1.0×10^4	2.7×10^7
Am242m ^a	1.0	2.7×10^{11}	1.0×10^4	2.7×10^7

Adopted Rules

Am243 ^a	1.0	2.7 x 10 ¹¹	1.0 x 10 ³	2.7 x 10 ⁸
Argon (18)				
Ar37	1.0 x 10 ⁶	2.7 x 10 ⁵	1.0 x 10 ⁸	2.7 x 10 ³
Ar39	1.0 x 10 ⁷	2.7 x 10 ⁴	1.0 x 10 ⁴	2.7 x 10 ⁷
Ar41	1.0 x 10 ²	2.7 x 10 ⁹	1.0 x 10 ⁹	2.7 x 10 ²
Arsenic (33)				
As72	1.0 x 10 ¹	2.7 x 10 ¹⁰	1.0 x 10 ⁵	2.7 x 10 ⁶
As73	1.0 x 10 ³	2.7 x 10 ⁸	1.0 x 10 ⁷	2.7 x 10 ⁴
As74	1.0 x 10 ¹	2.7 x 10 ¹⁰	1.0 x 10 ⁶	2.7 x 10 ⁵
As76	1.0 x 10 ²	2.7 x 10 ⁹	1.0 x 10 ⁵	2.7 x 10 ⁶
As77	1.0 x 10 ³	2.7 x 10 ⁸	1.0 x 10 ⁶	2.7 x 10 ⁵
Astatine (85)				
At211	1.0 x 10 ³	2.7 x 10 ⁸	1.0 x 10 ⁷	2.7 x 10 ⁴
Gold (79)				
Au193	1.0 x 10 ²	2.7 x 10 ⁹	1.0 x 10 ⁷	2.7 x 10 ⁴
Au 194	1.0 x 10 ¹	2.7 x 10 ¹⁰	1.0 x 10 ⁶	2.7 x 10 ⁵
Au195	1.0 x 10 ²	2.7 x 10 ⁹	1.0 x 10 ⁷	2.7 x 10 ⁴
Au198	1.0 x 10 ²	2.7 x 10 ⁹	1.0 x 10 ⁶	2.7 x 10 ⁵
Au199	1.0 x 10 ²	2.7 x 10 ⁹	1.0 x 10 ⁶	2.7 x 10 ⁵
Barium (56)				
Ba131	1.0 x 10 ²	2.7 x 10 ⁹	1.0 x 10 ⁶	2.7 x 10 ⁵
Ba133	1.0 x 10 ²	2.7 x 10 ⁹	1.0 x 10 ⁶	2.7 x 10 ⁵
Ba133m	1.0 x 10 ²	2.7 x 10 ⁹	1.0 x 10 ⁶	2.7 x 10 ⁵
Ba140 ^a	1.0 x 10 ¹	2.7 x 10 ¹⁰	1.0 x 10 ⁵	2.7 x 10 ⁶
Beryllium (4)				
Be 7	1.0 x 10 ³	2.7 x 10 ⁸	1.0 x 10 ⁷	2.7 x 10 ⁴
Be10	1.0 x 10 ⁴	2.7 x 10 ⁷	1.0 x 10 ⁶	2.7 x 10 ⁵
Bismuth (83)				
Bi205	1.0 x 10 ¹	2.7 x 10 ¹⁰	1.0 x 10 ⁶	2.7 x 10 ⁵
Bi206	1.0 x 10 ¹	2.7 x 10 ¹⁰	1.0 x 10 ⁵	2.7 x 10 ⁶
Bi207	1.0 x 10 ¹	2.7 x 10 ¹⁰	1.0 x 10 ⁶	2.7 x 10 ⁵
Bi210	1.0 x 10 ³	2.7 x 10 ⁸	1.0 x 10 ⁶	2.7 x 10 ⁵
Bi210m	1.0 x 10 ¹	2.7 x 10 ¹⁰	1.0 x 10 ⁵	2.7 x 10 ⁶
Bi212 ^a	1.0 x 10 ¹	2.7 x 10 ¹⁰	1.0 x 10 ⁵	2.7 x 10 ⁶
Berkelium (97)				
Bk247	1.0	2.7 x 10 ¹¹	1.0 x 10 ⁴	2.7 x 10 ⁷
Bk249	1.0 x 10 ³	2.7 x 10 ⁸	1.0 x 10 ⁶	2.7 x 10 ⁵
Bromine (35)				
Br76	1.0 x 10 ¹	2.7 x 10 ¹⁰	1.0 x 10 ⁵	2.7 x 10 ⁶
Br77	1.0 x 10 ²	2.7 x 10 ⁹	1.0 x 10 ⁶	2.7 x 10 ⁵
Br 82	1.0 x 10 ¹	2.7 x 10 ¹⁰	1.0 x 10 ⁶	2.7 x 10 ⁵
Carbon(6)				
C11	1.0 x 10 ¹	2.7 x 10 ¹⁰	1.0 x 10 ⁶	2.7 x 10 ⁵
C14	1.0 x 10 ⁴	2.7 x 10 ⁷	1.0 x 10 ⁷	2.7 x 10 ⁴

Adopted Rules

Calcium (20)

Ca41	1.0 x 10 ⁵	2.7 x 10 ⁶	1.0 x 10 ⁷	2.7 x 10 ⁴
Ca45	1.0 x 10 ⁴	2.7 x 10 ⁷	1.0 x 10 ⁷	2.7 x 10 ⁴
Ca47	1.0 x 10 ¹	2.7 x 10 ¹⁰	1.0 x 10 ⁶	2.7 x 10 ⁵

Cadmium (48)

Cd109	1.0 x 10 ⁴	2.7 x 10 ⁷	1.0 x 10 ⁶	2.7 x 10 ⁵
Cd113m	1.0 x 10 ³	2.7 x 10 ⁸	1.0 x 10 ⁶	2.7 x 10 ⁵
Cd115	1.0 x 10 ²	2.7 x 10 ⁹	1.0 x 10 ⁶	2.7 x 10 ⁵
Cd115m	1.0 x 10 ³	2.7 x 10 ⁸	1.0 x 10 ⁶	2.7 x 10 ⁵

Cerium (58)

Ce139	1.0 x 10 ²	2.7 x 10 ⁹	1.0 x 10 ⁶	2.7 x 10 ⁵
Ce141	1.0 x 10 ²	2.7 x 10 ⁹	1.0 x 10 ⁷	2.7 x 10 ⁴
Ce143	1.0 x 10 ²	2.7 x 10 ⁹	1.0 x 10 ⁶	2.7 x 10 ⁵
Ce144 ^a	1.0 x 10 ²	2.7 x 10 ⁹	1.0 x 10 ⁵	2.7 x 10 ⁶

Californium (98)

Cf248	1.0 x 10 ¹	2.7 x 10 ¹⁰	1.0 x 10 ⁴	2.7 x 10 ⁷
Cf249	1.0	2.7 x 10 ¹¹	1.0 x 10 ³	2.7 x 10 ⁸
Cf250	1.0 x 10 ¹	2.7 x 10 ¹⁰	1.0 x 10 ⁴	2.7 x 10 ⁷
Cf251	1.0	2.7 x 10 ¹¹	1.0 x 10 ³	2.7 x 10 ⁸
Cf252	1.0 x 10 ¹	2.7 x 10 ¹⁰	1.0 x 10 ⁴	2.7 x 10 ⁷
Cf253	1.0 x 10 ²	2.7 x 10 ⁹	1.0 x 10 ⁵	2.7 x 10 ⁶
Cf254	1.0	2.7 x 10 ¹¹	1.0 x 10 ³	2.7 x 10 ⁸

Chlorine (17)

Cl36	1.0 x 10 ⁴	2.7 x 10 ⁷	1.0 x 10 ⁶	2.7 x 10 ⁵
Cl38	1.0 x 10 ¹	2.7 x 10 ¹⁰	1.0 x 10 ⁵	2.7 x 10 ⁶

Curium (96)

Cm240	1.0 x 10 ²	2.7 x 10 ⁹	1.0 x 10 ⁵	2.7 x 10 ⁶
Cm241	1.0 x 10 ²	2.7 x 10 ⁹	1.0 x 10 ⁶	2.7 x 10 ⁵
Cm242	1.0 x 10 ²	2.7 x 10 ⁹	1.0 x 10 ⁵	2.7 x 10 ⁶
Cm243	1.0	2.7 x 10 ¹¹	1.0 x 10 ⁴	2.7 x 10 ⁷
Cm244	1.0 x 10 ¹	2.7 x 10 ¹⁰	1.0 x 10 ⁴	2.7 x 10 ⁷
Cm245	1.0	2.7 x 10 ¹¹	1.0 x 10 ³	2.7 x 10 ⁸
Cm246	1.0	2.7 x 10 ¹¹	1.0 x 10 ³	2.7 x 10 ⁸
Cm247	1.0	2.7 x 10 ¹¹	1.0 x 10 ⁴	2.7 x 10 ⁷
Cm248	1.0	2.7 x 10 ¹¹	1.0 x 10 ³	2.7 x 10 ⁸

Cobalt (27)

Co55	1.0 x 10 ¹	2.7 x 10 ¹⁰	1.0 x 10 ⁶	2.7 x 10 ⁵
Co56	1.0 x 10 ¹	2.7 x 10 ¹⁰	1.0 x 10 ⁵	2.7 x 10 ⁶
Co57	1.0 x 10 ²	2.7 x 10 ⁹	1.0 x 10 ⁶	2.7 x 10 ⁵
Co58	1.0 x 10 ¹	2.7 x 10 ¹⁰	1.0 x 10 ⁶	2.7 x 10 ⁵
Co58m	1.0 x 10 ⁴	2.7 x 10 ⁷	1.0 x 10 ⁷	2.7 x 10 ⁴
Co60	1.0 x 10 ¹	2.7 x 10 ¹⁰	1.0 x 10 ⁵	2.7 x 10 ⁶

Chromium (24)

Cr51	1.0 x 10 ³	2.7 x 10 ⁸	1.0 x 10 ⁷	2.7 x 10 ⁴
------	-----------------------	-----------------------	-----------------------	-----------------------

Cesium (55)

Cs129	1.0 x 10 ²	2.7 x 10 ⁹	1.0 x 10 ⁵	2.7 x 10 ⁶
-------	-----------------------	-----------------------	-----------------------	-----------------------

Adopted Rules

Cs131	1.0 x 10 ³	2.7 x 10 ⁸	1.0 x 10 ⁶	2.7 x 10 ⁵
Cs132	1.0 x 10 ¹	2.7 x 10 ¹⁰	1.0 x 10 ⁵	2.7 x 10 ⁶
Cs134	1.0 x 10 ¹	2.7 x 10 ¹⁰	1.0 x 10 ⁴	2.7 x 10 ⁷
Cs134m	1.0 x 10 ³	2.7 x 10 ⁸	1.0 x 10 ⁵	2.7 x 10 ⁶
Cs135	1.0 x 10 ⁴	2.7 x 10 ⁷	1.0 x 10 ⁷	2.7 x 10 ⁴
Cs136	1.0 x 10 ¹	2.7 x 10 ¹⁰	1.0 x 10 ⁵	2.7 x 10 ⁶
Cs137 ^a	1.0 x 10 ¹	2.7 x 10 ¹⁰	1.0 x 10 ⁴	2.7 x 10 ⁷
Copper (29)				
Cu64	1.0 x 10 ²	2.7 x 10 ⁹	1.0 x 10 ⁶	2.7 x 10 ⁵
Cu67	1.0 x 10 ²	2.7 x 10 ⁹	1.0 x 10 ⁶	2.7 x 10 ⁵
Dysprosium (66)				
Dy159	1.0 x 10 ³	2.7 x 10 ⁸	1.0 x 10 ⁷	2.7 x 10 ⁴
Dy165	1.0 x 10 ³	2.7 x 10 ⁸	1.0 x 10 ⁶	2.7 x 10 ⁵
Dy166	1.0 x 10 ³	2.7 x 10 ⁸	1.0 x 10 ⁶	2.7 x 10 ⁵
Erbium (68)				
Er169	1.0 x 10 ⁴	2.7 x 10 ⁷	1.0 x 10 ⁷	2.7 x 10 ⁴
Er171	1.0 x 10 ²	2.7 x 10 ⁹	1.0 x 10 ⁶	2.7 x 10 ⁵
Europium (63)				
Eu147	1.0 x 10 ²	2.7 x 10 ⁹	1.0 x 10 ⁶	2.7 x 10 ⁵
Eu148	1.0 x 10 ¹	2.7 x 10 ¹⁰	1.0 x 10 ⁶	2.7 x 10 ⁵
Eu149	1.0 x 10 ²	2.7 x 10 ⁹	1.0 x 10 ⁷	2.7 x 10 ⁴
Eu150 (shortlived)	1.0 x 10 ³	2.7 x 10 ⁸	1.0 x 10 ⁶	2.7 x 10 ⁵
Eu150 (longlived)	1.0 x 10 ¹	2.7 x 10 ¹⁰	1.0 x 10 ⁶	2.7 x 10 ⁵
Eu152	1.0 x 10 ¹	2.7 x 10 ¹⁰	1.0 x 10 ⁶	2.7 x 10 ⁵
Eu152m	1.0 x 10 ²	2.7 x 10 ⁹	1.0 x 10 ⁶	2.7 x 10 ⁵
Eu154	1.0 x 10 ¹	2.7 x 10 ¹⁰	1.0 x 10 ⁶	2.7 x 10 ⁵
Eu155	1.0 x 10 ²	2.7 x 10 ⁹	1.0 x 10 ⁷	2.7 x 10 ⁴
Eu156	1.0 x 10 ¹	2.7 x 10 ¹⁰	1.0 x 10 ⁶	2.7 x 10 ⁵
Fluorine (9)				
F18	1.0 x 10 ¹	2.7 x 10 ¹⁰	1.0 x 10 ⁶	2.7 x 10 ⁵
Iron (26)				
Fe52	1.0 x 10 ¹	2.7 x 10 ¹⁰	1.0 x 10 ⁶	2.7 x 10 ⁵
Fe55	1.0 x 10 ⁴	2.7 x 10 ⁷	1.0 x 10 ⁶	2.7 x 10 ⁵
Fe59	1.0 x 10 ¹	2.7 x 10 ¹⁰	1.0 x 10 ⁶	2.7 x 10 ⁵
Fe60	1.0 x 10 ²	2.7 x 10 ⁹	1.0 x 10 ⁵	2.7 x 10 ⁶
Gallium (31)				
Ga67	1.0 x 10 ²	2.7 x 10 ⁹	1.0 x 10 ⁶	2.7 x 10 ⁵
Ga68	1.0 x 10 ¹	2.7 x 10 ¹⁰	1.0 x 10 ⁵	2.7 x 10 ⁶
Ga72	1.0 x 10 ¹	2.7 x 10 ¹⁰	1.0 x 10 ⁵	2.7 x 10 ⁶
Gadolinium (64)				
Gd 146	1.0 x 10 ¹	2.7 x 10 ¹⁰	1.0 x 10 ⁶	2.7 x 10 ⁵
Gd148	1.0 x 10 ¹	2.7 x 10 ¹⁰	1.0 x 10 ⁴	2.7 x 10 ⁷
Gd153	1.0 x 10 ²	2.7 x 10 ⁹	1.0 x 10 ⁷	2.7 x 10 ⁴
Gd159	1.0 x 10 ³	2.7 x 10 ⁸	1.0 x 10 ⁶	2.7 x 10 ⁵

Adopted Rules

Germanium (32)

Ge68	1.0×10^1	2.7×10^{10}	1.0×10^5	2.7×10^6
Ge71	1.0×10^4	2.7×10^7	1.0×10^8	2.7×10^3
Ge77	1.0×10^1	2.7×10^{10}	1.0×10^5	2.7×10^6

Tritium (1)

H3 (T)	1.0×10^6	2.7×10^5	1.0×10^9	2.7×10^2
--------	-------------------	-------------------	-------------------	-------------------

Hafnium (72)

Hf172	1.0×10^1	2.7×10^{10}	1.0×10^6	2.7×10^5
Hf175	1.0×10^2	2.7×10^9	1.0×10^6	2.7×10^5
Hf181	1.0×10^1	2.7×10^{10}	1.0×10^6	2.7×10^5
Hf182	1.0×10^2	2.7×10^9	1.0×10^6	2.7×10^5

Mercury (80)

Hg194	1.0×10^1	2.7×10^{10}	1.0×10^6	2.7×10^5
Hg195m	1.0×10^2	2.7×10^9	1.0×10^6	2.7×10^5
Hg197	1.0×10^2	2.7×10^9	1.0×10^7	2.7×10^4
Hg197m	1.0×10^2	2.7×10^9	1.0×10^6	2.7×10^5
Hg203	1.0×10^2	2.7×10^9	1.0×10^5	2.7×10^6

Holmium (67)

Ho166	1.0×10^3	2.7×10^8	1.0×10^5	2.7×10^6
Ho166m	1.0×10^1	2.7×10^{10}	1.0×10^6	2.7×10^5

Iodine (53)

I123	1.0×10^2	2.7×10^9	1.0×10^7	2.7×10^4
I124	1.0×10^1	2.7×10^{10}	1.0×10^6	2.7×10^5
I125	1.0×10^3	2.7×10^8	1.0×10^6	2.7×10^5
I126	1.0×10^2	2.7×10^9	1.0×10^6	2.7×10^5
I129	1.0×10^2	2.7×10^9	1.0×10^5	2.7×10^6
I131	1.0×10^2	2.7×10^9	1.0×10^6	2.7×10^5
I132	1.0×10^1	2.7×10^{10}	1.0×10^5	2.7×10^6
I133	1.0×10^1	2.7×10^{10}	1.0×10^6	2.7×10^5
I134	1.0×10^1	2.7×10^{10}	1.0×10^5	2.7×10^6
I 135	1.0×10^1	2.7×10^{10}	1.0×10^6	2.7×10^5

Indium (49)

In111	1.0×10^2	2.7×10^9	1.0×10^6	2.7×10^5
In113m	1.0×10^2	2.7×10^9	1.0×10^6	2.7×10^5
In114m	1.0×10^2	2.7×10^9	1.0×10^6	2.7×10^5
In115m	1.0×10^2	2.7×10^9	1.0×10^6	2.7×10^5

Iridium (77)

Ir189	1.0×10^2	2.7×10^9	1.0×10^7	2.7×10^4
Ir190	1.0×10^1	2.7×10^{10}	1.0×10^6	2.7×10^5
Ir192	1.0×10^1	2.7×10^{10}	1.0×10^4	2.7×10^7
Ir194	1.0×10^2	2.7×10^9	1.0×10^5	2.7×10^6

Potassium (19)

K40	1.0×10^2	2.7×10^9	1.0×10^6	2.7×10^5
K42	1.0×10^2	2.7×10^9	1.0×10^6	2.7×10^5
K43	1.0×10^1	2.7×10^{10}	1.0×10^6	2.7×10^5

Adopted Rules

Krypton (36)				
Kr81	1.0 x 10 ⁴	2.7 x 10 ⁷	1.0 x 10 ⁷	2.7 x 10 ⁴
Kr85	1.0 x 10 ⁵	2.7 x 10 ⁶	1.0 x 10 ⁴	2.7 x 10 ⁷
Kr85m	1.0 x 10 ³	2.7 x 10 ⁸	1.0 x 10 ¹⁰	2.7 x 10 ¹
Kr87	1.0 x 10 ²	2.7 x 10 ⁹	1.0 x 10 ⁹	2.7 x 10 ²
Lanthanum (57)				
La137	1.0 x 10 ³	2.7 x 10 ⁸	1.0 x 10 ⁷	2.7 x 10 ⁴
La140	1.0 x 10 ¹	2.7 x 10 ¹⁰	1.0 x 10 ⁵	2.7 x 10 ⁶
Lutetium (71)				
Lu172	1.0 x 10 ¹	2.7 x 10 ¹⁰	1.0 x 10 ⁶	2.7 x 10 ⁵
Lu173	1.0 x 10 ²	2.7 x 10 ⁹	1.0 x 10 ⁷	2.7 x 10 ⁴
Lu174	1.0 x 10 ²	2.7 x 10 ⁹	1.0 x 10 ⁷	2.7 x 10 ⁴
Lu174m	1.0 x 10 ²	2.7 x 10 ⁹	1.0 x 10 ⁷	2.7 x 10 ⁴
Lu177	1.0 x 10 ³	2.7 x 10 ⁸	1.0 x 10 ⁷	2.7 x 10 ⁴
Magnesium (12)				
Mg28	1.0 x 10 ¹	2.7 x 10 ¹⁰	1.0 x 10 ⁵	2.7 x 10 ⁶
Manganese (25)				
Mn52	1.0 x 10 ¹	2.7 x 10 ¹⁰	1.0 x 10 ⁵	2.7 x 10 ⁶
Mn53	1.0 x 10 ⁴	2.7 x 10 ⁷	1.0 x 10 ⁹	2.7 x 10 ²
Mn54	1.0 x 10 ¹	2.7 x 10 ¹⁰	1.0 x 10 ⁶	2.7 x 10 ⁵
Mn56	1.0 x 10 ¹	2.7 x 10 ¹⁰	1.0 x 10 ⁵	2.7 x 10 ⁶
Molybdenum (42)				
Mo93	1.0 x 10 ³	2.7 x 10 ⁸	1.0 x 10 ⁸	2.7 x 10 ³
Mo99	1.0 x 10 ²	2.7 x 10 ⁹	1.0 x 10 ⁶	2.7 x 10 ⁵
Nitrogen (7)				
N13	1.0 x 10 ²	2.7 x 10 ⁹	1.0 x 10 ⁹	2.7 x 10 ²
Sodium (11)				
Na22	1.0 x 10 ¹	2.7 x 10 ¹⁰	1.0 x 10 ⁶	2.7 x 10 ⁵
Na24	1.0 x 10 ¹	2.7 x 10 ¹⁰	1.0 x 10 ⁵	2.7 x 10 ⁶
Niobium (41)				
Nb93m	1.0 x 10 ⁴	2.7 x 10 ⁷	1.0 x 10 ⁷	2.7 x 10 ⁴
Nb94	1.0 x 10 ¹	2.7 x 10 ¹⁰	1.0 x 10 ⁶	2.7 x 10 ⁵
Nb95	1.0 x 10 ¹	2.7 x 10 ¹⁰	1.0 x 10 ⁶	2.7 x 10 ⁵
Nb97	1.0 x 10 ¹	2.7 x 10 ¹⁰	1.0 x 10 ⁶	2.7 x 10 ⁵
Neodymium (60)				
Nd147	1.0 x 10 ²	2.7 x 10 ⁹	1.0 x 10 ⁶	2.7 x 10 ⁵
Nd149	1.0 x 10 ²	2.7 x 10 ⁹	1.0 x 10 ⁶	2.7 x 10 ⁵
Nickel (28)				
Ni59	1.0 x 10 ⁴	2.7 x 10 ⁷	1.0 x 10 ⁸	2.7 x 10 ³
Ni63	1.0 x 10 ⁵	2.7 x 10 ⁶	1.0 x 10 ⁸	2.7 x 10 ³
Ni65	1.0 x 10 ¹	2.7 x 10 ¹⁰	1.0 x 10 ⁶	2.7 x 10 ⁵
Neptunium (93)				
Np235	1.0 x 10 ³	2.7 x 10 ⁸	1.0 x 10 ⁷	2.7 x 10 ⁴

Adopted Rules

Np236 (shortlived)	1.0 x 10 ³	2.7 x 10 ⁸	1.0 x 10 ⁷	2.7 x 10 ⁴
Np236 (longlived)	1.0 x 10 ²	2.7 x 10 ⁹	1.0 x 10 ⁵	2.7 x 10 ⁶
Np237 ^a	1.0	2.7 x 10 ¹¹	1.0 x 10 ³	2.7 x 10 ⁸
Np239	1.0 x 10 ²	2.7 x 10 ⁹	1.0 x 10 ⁷	2.7 x 10 ⁴
Osmium (76)				
Os185	1.0 x 10 ¹	2.7 x 10 ¹⁰	1.0 x 10 ⁶	2.7 x 10 ⁵
Os191	1.0 x 10 ²	2.7 x 10 ⁹	1.0 x 10 ⁷	2.7 x 10 ⁴
Os191m	1.0 x 10 ³	2.7 x 10 ⁸	1.0 x 10 ⁷	2.7 x 10 ⁴
Os193	1.0 x 10 ²	2.7 x 10 ⁹	1.0 x 10 ⁶	2.7 x 10 ⁵
Os194	1.0 x 10 ²	2.7 x 10 ⁹	1.0 x 10 ⁵	2.7 x 10 ⁶
Phosphorus (15)				
P32	1.0 x 10 ³	2.7 x 10 ⁸	1.0 x 10 ⁵	2.7 x 10 ⁶
P33	1.0 x 10 ⁵	2.7 x 10 ⁶	1.0 x 10 ⁸	2.7 x 10 ³
Protactinium (91)				
Pa230	1.0 x 10 ¹	2.7 x 10 ¹⁰	1.0 x 10 ⁶	2.7 x 10 ⁵
Pa231	1.0	2.7 x 10 ¹¹	1.0 x 10 ³	2.7 x 10 ⁸
Pa233	1.0 x 10 ²	2.7 x 10 ⁹	1.0 x 10 ⁷	2.7 x 10 ⁴
Lead (82)				
Pb201	1.0 x 10 ¹	2.7 x 10 ¹⁰	1.0 x 10 ⁶	2.7 x 10 ⁵
Pb202	1.0 x 10 ³	2.7 x 10 ⁸	1.0 x 10 ⁶	2.7 x 10 ⁵
Pb203	1.0 x 10 ²	2.7 x 10 ⁹	1.0 x 10 ⁶	2.7 x 10 ⁵
Pb205	1.0 x 10 ⁴	2.7 x 10 ⁷	1.0 x 10 ⁷	2.7 x 10 ⁴
Pb210 ^a	1.0 x 10 ¹	2.7 x 10 ¹⁰	1.0 x 10 ⁴	2.7 x 10 ⁷
Pb212 ^a	1.0 x 10 ¹	2.7 x 10 ¹⁰	1.0 x 10 ⁵	2.7 x 10 ⁶
Palladium (46)				
Pd103	1.0 x 10 ³	2.7 x 10 ⁸	1.0 x 10 ⁸	2.7 x 10 ³
Pd107	1.0 x 10 ⁵	2.7 x 10 ⁶	1.0 x 10 ⁸	2.7 x 10 ³
Pd109	1.0 x 10 ³	2.7 x 10 ⁸	1.0 x 10 ⁶	2.7 x 10 ⁵
Promethium (61)				
Pm143	1.0 x 10 ²	2.7 x 10 ⁹	1.0 x 10 ⁶	2.7 x 10 ⁵
Pm144	1.0 x 10 ¹	2.7 x 10 ¹⁰	1.0 x 10 ⁶	2.7 x 10 ⁵
Pm145	1.0 x 10 ³	2.7 x 10 ⁸	1.0 x 10 ⁷	2.7 x 10 ⁴
Pm147	1.0 x 10 ⁴	2.7 x 10 ⁷	1.0 x 10 ⁷	2.7 x 10 ⁴
Pm148m	1.0 x 10 ¹	2.7 x 10 ¹⁰	1.0 x 10 ⁶	2.7 x 10 ⁵
Pm149	1.0 x 10 ³	2.7 x 10 ⁸	1.0 x 10 ⁶	2.7 x 10 ⁵
Pm151	1.0 x 10 ²	2.7 x 10 ⁹	1.0 x 10 ⁶	2.7 x 10 ⁵
Polonium (84)				
Po210	1.0 x 10 ¹	2.7 x 10 ¹⁰	1.0 x 10 ⁴	2.7 x 10 ⁷
Praseodymium (59)				
Pr142	1.0 x 10 ²	2.7 x 10 ⁹	1.0 x 10 ⁵	2.7 x 10 ⁶
Pr143	1.0 x 10 ⁴	2.7 x 10 ⁷	1.0 x 10 ⁶	2.7 x 10 ⁵
Platinum (78)				
Pt188	1.0 x 10 ¹	2.7 x 10 ¹⁰	1.0 x 10 ⁶	2.7 x 10 ⁵
Pt191	1.0 x 10 ²	2.7 x 10 ⁹	1.0 x 10 ⁶	2.7 x 10 ⁵
Pt193	1.0 x 10 ⁴	2.7 x 10 ⁷	1.0 x 10 ⁷	2.7 x 10 ⁴

Adopted Rules

Pt193m	1.0 x 10 ³	2.7 x 10 ⁸	1.0 x 10 ⁷	2.7 x 10 ⁴
Pt195m	1.0 x 10 ²	2.7 x 10 ⁹	1.0 x 10 ⁶	2.7 x 10 ⁵
Pt197	1.0 x 10 ³	2.7 x 10 ⁸	1.0 x 10 ⁶	2.7 x 10 ⁵
Pt197m	1.0 x 10 ²	2.7 x 10 ⁹	1.0 x 10 ⁶	2.7 x 10 ⁵
Plutonium (94)				
Pu236	1.0 x 10 ¹	2.7 x 10 ¹⁰	1.0 x 10 ⁴	2.7 x 10 ⁷
Pu237	1.0 x 10 ³	2.7 x 10 ⁸	1.0 x 10 ⁷	2.7 x 10 ⁴
Pu238	1.0	2.7 x 10 ¹¹	1.0 x 10 ⁴	2.7 x 10 ⁷
Pu239	1.0	2.7 x 10 ¹¹	1.0 x 10 ⁴	2.7 x 10 ⁷
Pu240	1.0	2.7 x 10 ¹¹	1.0 x 10 ³	2.7 x 10 ⁸
Pu241	1.0 x 10 ²	2.7 x 10 ⁹	1.0 x 10 ⁵	2.7 x 10 ⁶
Pu242	1.0	2.7 x 10 ¹¹	1.0 x 10 ⁴	2.7 x 10 ⁷
Pu244	1.0	2.7 x 10 ¹¹	1.0 x 10 ⁴	2.7 x 10 ⁷
Radium (88)				
Ra223 ^a	1.0 x 10 ²	2.7 x 10 ⁹	1.0 x 10 ⁵	2.7 x 10 ⁶
Ra224 ^a	1.0 x 10 ¹	2.7 x 10 ¹⁰	1.0 x 10 ⁵	2.7 x 10 ⁶
Ra225	1.0 x 10 ²	2.7 x 10 ⁹	1.0 x 10 ⁵	2.7 x 10 ⁶
Ra226 ^a	1.0 x 10 ¹	2.7 x 10 ¹⁰	1.0 x 10 ⁴	2.7 x 10 ⁷
Ra228 ^a	1.0 x 10 ¹	2.7 x 10 ¹⁰	1.0 x 10 ⁵	2.7 x 10 ⁶
Rubidium (37)				
Rb81	1.0 x 10 ¹	2.7 x 10 ¹⁰	1.0 x 10 ⁶	2.7 x 10 ⁵
Rb83	1.0 x 10 ²	2.7 x 10 ⁹	1.0 x 10 ⁶	2.7 x 10 ⁵
Rb84	1.0 x 10 ¹	2.7 x 10 ¹⁰	1.0 x 10 ⁶	2.7 x 10 ⁵
Rb86	1.0 x 10 ²	2.7 x 10 ⁹	1.0 x 10 ⁵	2.7 x 10 ⁶
Rb87	1.0 x 10 ⁴	2.7 x 10 ⁷	1.0 x 10 ⁷	2.7 x 10 ⁴
Rb (nat)	1.0 x 10 ⁴	2.7 x 10 ⁷	1.0 x 10 ⁷	2.7 x 10 ⁴
Rhenium (75)				
Re184	1.0 x 10 ¹	2.7 x 10 ¹⁰	1.0 x 10 ⁶	2.7 x 10 ⁵
Re184m	1.0 x 10 ²	2.7 x 10 ⁹	1.0 x 10 ⁶	2.7 x 10 ⁵
Re186	1.0 x 10 ³	2.7 x 10 ⁸	1.0 x 10 ⁶	2.7 x 10 ⁵
Re187	1.0 x 10 ⁶	2.7 x 10 ⁵	1.0 x 10 ⁹	2.7 x 10 ²
Re188	1.0 x 10 ²	2.7 x 10 ⁹	1.0 x 10 ⁵	2.7 x 10 ⁶
Re189	1.0 x 10 ²	2.7 x 10 ⁹	1.0 x 10 ⁶	2.7 x 10 ⁵
Re (nat)	1.0 x 10 ⁶	2.7 x 10 ⁵	1.0 x 10 ⁹	2.7 x 10 ²
Rhodium (45)				
Rh99	1.0 x 10 ¹	2.7 x 10 ¹⁰	1.0 x 10 ⁶	2.7 x 10 ⁵
Rh101	1.0 x 10 ²	2.7 x 10 ⁹	1.0 x 10 ⁷	2.7 x 10 ⁴
Rh102	1.0 x 10 ¹	2.7 x 10 ¹⁰	1.0 x 10 ⁶	2.7 x 10 ⁵
Rh102m	1.0 x 10 ²	2.7 x 10 ⁹	1.0 x 10 ⁶	2.7 x 10 ⁵
Rh103m	1.0 x 10 ⁴	2.7 x 10 ⁷	1.0 x 10 ⁸	2.7 x 10 ³
Rh105	1.0 x 10 ²	2.7 x 10 ⁹	1.0 x 10 ⁷	2.7 x 10 ⁴
Radon (86)				
Rn222 ^a	1.0 x 10 ¹	2.7 x 10 ¹⁰	1.0 x 10 ⁸	2.7 x 10 ³
Ruthenium (44)				
Ru97	1.0 x 10 ²	2.7 x 10 ⁹	1.0 x 10 ⁷	2.7 x 10 ⁴
Ru103	1.0 x 10 ²	2.7 x 10 ⁹	1.0 x 10 ⁶	2.7 x 10 ⁵
Ru105	1.0 x 10 ¹	2.7 x 10 ¹⁰	1.0 x 10 ⁶	2.7 x 10 ⁵

Adopted Rules

Ru106 ^a	1.0 x 10 ²	2.7 x 10 ⁹	1.0 x 10 ⁵	2.7 x 10 ⁶
Sulfur (16)				
S35	1.0 x 10 ⁵	2.7 x 10 ⁶	1.0 x 10 ⁸	2.7 x 10 ³
Antimony (51)				
Sb122	1.0 x 10 ²	2.7 x 10 ⁹	1.0 x 10 ⁴	2.7 x 10 ⁷
Sb124	1.0 x 10 ¹	2.7 x 10 ¹⁰	1.0 x 10 ⁶	2.7 x 10 ⁵
Sb125	1.0 x 10 ²	2.7 x 10 ⁹	1.0 x 10 ⁶	2.7 x 10 ⁵
Sb126	1.0 x 10 ¹	2.7 x 10 ¹⁰	1.0 x 10 ⁵	2.7 x 10 ⁶
Scandium (21)				
Sc44	1.0 x 10 ¹	2.7 x 10 ¹⁰	1.0 x 10 ⁵	2.7 x 10 ⁶
Sc46	1.0 x 10 ¹	2.7 x 10 ¹⁰	1.0 x 10 ⁶	2.7 x 10 ⁵
Sc47	1.0 x 10 ²	2.7 x 10 ⁹	1.0 x 10 ⁶	2.7 x 10 ⁵
Sc48	1.0 x 10 ¹	2.7 x 10 ¹⁰	1.0 x 10 ⁵	2.7 x 10 ⁶
Selenium (34)				
Se75	1.0 x 10 ²	2.7 x 10 ⁹	1.0 x 10 ⁶	2.7 x 10 ⁵
Se79	1.0 x 10 ⁴	2.7 x 10 ⁷	1.0 x 10 ⁷	2.7 x 10 ⁴
Silicon (14)				
Si31	1.0 x 10 ³	2.7 x 10 ⁸	1.0 x 10 ⁶	2.7 x 10 ⁵
Si32	1.0 x 10 ³	2.7 x 10 ⁸	1.0 x 10 ⁶	2.7 x 10 ⁵
Samarium (62)				
Sm145	1.0 x 10 ²	2.7 x 10 ⁹	1.0 x 10 ⁷	2.7 x 10 ⁴
Sm147	1.0 x 10 ¹	2.7 x 10 ¹⁰	1.0 x 10 ⁴	2.7 x 10 ⁷
Sm151	1.0 x 10 ⁴	2.7 x 10 ⁷	1.0 x 10 ⁸	2.7 x 10 ³
Sm153	1.0 x 10 ²	2.7 x 10 ⁹	1.0 x 10 ⁶	2.7 x 10 ⁵
Tin (50)				
Sn113	1.0 x 10 ³	2.7 x 10 ⁸	1.0 x 10 ⁷	2.7 x 10 ⁴
Sn117m	1.0 x 10 ²	2.7 x 10 ⁹	1.0 x 10 ⁶	2.7 x 10 ⁵
Sn119m	1.0 x 10 ³	2.7 x 10 ⁸	1.0 x 10 ⁷	2.7 x 10 ⁴
Sn121m	1.0 x 10 ³	2.7 x 10 ⁸	1.0 x 10 ⁷	2.7 x 10 ⁴
Sn123	1.0 x 10 ³	2.7 x 10 ⁸	1.0 x 10 ⁶	2.7 x 10 ⁵
Sn125	1.0 x 10 ²	2.7 x 10 ⁹	1.0 x 10 ⁵	2.7 x 10 ⁶
Sn126	1.0 x 10 ¹	2.7 x 10 ¹⁰	1.0 x 10 ⁵	2.7 x 10 ⁶
Strontium (38)				
Sr82	1.0 x 10 ¹	2.7 x 10 ¹⁰	1.0 x 10 ⁵	2.7 x 10 ⁶
Sr85	1.0 x 10 ²	2.7 x 10 ⁹	1.0 x 10 ⁶	2.7 x 10 ⁵
Sr85m	1.0 x 10 ²	2.7 x 10 ⁹	1.0 x 10 ⁷	2.7 x 10 ⁴
Sr87m	1.0 x 10 ²	2.7 x 10 ⁹	1.0 x 10 ⁶	2.7 x 10 ⁵
Sr89	1.0 x 10 ³	2.7 x 10 ⁸	1.0 x 10 ⁶	2.7 x 10 ⁵
Sr90 ^a	1.0 x 10 ²	2.7 x 10 ⁹	1.0 x 10 ⁴	2.7 x 10 ⁷
Sr91	1.0 x 10 ¹	2.7 x 10 ¹⁰	1.0 x 10 ⁵	2.7 x 10 ⁶
Sr92	1.0 x 10 ¹	2.7 x 10 ¹⁰	1.0 x 10 ⁶	2.7 x 10 ⁵
Tritium (1)				
T (H3)	1.0 x 10 ⁶	2.7 x 10 ⁵	1.0 x 10 ⁹	2.7 x 10 ²
Tantalum (73)				

Adopted Rules

Ta178 (long lived)	1.0 x 10 ¹	2.7 x 10 ¹⁰	1.0 x 10 ⁶	2.7 x 10 ⁵
Ta179	1.0 x 10 ³	2.7 x 10 ⁸	1.0 x 10 ⁷	2.7 x 10 ⁴
Ta182	1.0 x 10 ¹	2.7 x 10 ¹⁰	1.0 x 10 ⁴	2.7 x 10 ⁷
Terbium (65)				
Tb157	1.0 x 10 ⁴	2.7 x 10 ⁷	1.0 x 10 ⁷	2.7 x 10 ⁴
Tb158	1.0 x 10 ¹	2.7 x 10 ¹⁰	1.0 x 10 ⁶	2.7 x 10 ⁵
Tb160	1.0 x 10 ¹	2.7 x 10 ¹⁰	1.0 x 10 ⁶	2.7 x 10 ⁵
Technetium (43)				
Tc95m	1.0 x 10 ¹	2.7 x 10 ¹⁰	1.0 x 10 ⁶	2.7 x 10 ⁵
Tc96	1.0 x 10 ¹	2.7 x 10 ¹⁰	1.0 x 10 ⁶	2.7 x 10 ⁵
Tc 96m	1.0 x 10 ³	2.7 x 10 ⁸	1.0 x 10 ⁷	2.7 x 10 ⁴
Tc97	1.0 x 10 ³	2.7 x 10 ⁸	1.0 x 10 ⁸	2.7 x 10 ³
Tc97m	1.0 x 10 ³	2.7 x 10 ⁸	1.0 x 10 ⁷	2.7 x 10 ⁴
Tc98	1.0 x 10 ¹	2.7 x 10 ¹⁰	1.0 x 10 ⁶	2.7 x 10 ⁵
Tc99	1.0 x 10 ⁴	2.7 x 10 ⁷	1.0 x 10 ⁷	2.7 x 10 ⁴
Tc99m	1.0 x 10 ²	2.7 x 10 ⁹	1.0 x 10 ⁷	2.7 x 10 ⁴
Tellurium (52)				
Te121	1.0 x 10 ¹	2.7 x 10 ¹⁰	1.0 x 10 ⁶	2.7 x 10 ⁵
Te121m	1.0 x 10 ²	2.7 x 10 ⁹	1.0 x 10 ⁵	2.7 x 10 ⁶
Te123m	1.0 x 10 ²	2.7 x 10 ⁹	1.0 x 10 ⁷	2.7 x 10 ⁴
Te125m	1.0 x 10 ³	2.7 x 10 ⁸	1.0 x 10 ⁷	2.7 x 10 ⁴
Te127	1.0 x 10 ³	2.7 x 10 ⁸	1.0 x 10 ⁶	2.7 x 10 ⁵
Te127m	1.0 x 10 ³	2.7 x 10 ⁸	1.0 x 10 ⁷	2.7 x 10 ⁴
Te129	1.0 x 10 ²	2.7 x 10 ⁹	1.0 x 10 ⁶	2.7 x 10 ⁵
Te129m	1.0 x 10 ³	2.7 x 10 ⁸	1.0 x 10 ⁶	2.7 x 10 ⁵
Te131m	1.0 x 10 ¹	2.7 x 10 ¹⁰	1.0 x 10 ⁶	2.7 x 10 ⁵
Te132	1.0 x 10 ²	2.7 x 10 ⁹	1.0 x 10 ⁷	2.7 x 10 ⁴
Thorium (90)				
Th227	1.0 x 10 ¹	2.7 x 10 ¹⁰	1.0 x 10 ⁴	2.7 x 10 ⁷
Th228 ^a	1.0	2.7 x 10 ¹¹	1.0 x 10 ⁴	2.7 x 10 ⁷
Th229 ^a	1.0	2.7 x 10 ¹¹	1.0 x 10 ³	2.7 x 10 ⁸
Th230	1.0	2.7 x 10 ¹¹	1.0 x 10 ⁴	2.7 x 10 ⁷
Th231	1.0 x 10 ³	2.7 x 10 ⁸	1.0 x 10 ⁷	2.7 x 10 ⁴
Th232	1.0 x 10 ¹	2.7 x 10 ¹⁰	1.0 x 10 ⁴	2.7 x 10 ⁷
Th234 ^a	1.0 x 10 ³	2.7 x 10 ⁸	1.0 x 10 ⁵	2.7 x 10 ⁶
Th (nat) ^a	1.0	2.7 x 10 ¹¹	1.0 x 10 ³	2.7 x 10 ⁸
Titanium (22)				
Ti44	1.0 x 10 ¹	2.7 x 10 ¹⁰	1.0 x 10 ⁵	2.7 x 10 ⁶
Thallium (81)				
Tl200	1.0 x 10 ¹	2.7 x 10 ¹⁰	1.0 x 10 ⁶	2.7 x 10 ⁵
Tl201	1.0 x 10 ²	2.7 x 10 ⁹	1.0 x 10 ⁶	2.7 x 10 ⁵
Tl202	1.0 x 10 ²	2.7 x 10 ⁹	1.0 x 10 ⁶	2.7 x 10 ⁵
Tl204	1.0 x 10 ⁴	2.7 x 10 ⁷	1.0 x 10 ⁴	2.7 x 10 ⁷
Thulium (69)				
Tm167	1.0 x 10 ²	2.7 x 10 ⁹	1.0 x 10 ⁶	2.7 x 10 ⁵
Tm170	1.0 x 10 ³	2.7 x 10 ⁸	1.0 x 10 ⁶	2.7 x 10 ⁵
Tm171	1.0 x 10 ⁴	2.7 x 10 ⁷	1.0 x 10 ⁸	2.7 x 10 ³

Adopted Rules

Uranium (92)

U230 (fast lung absorption) ^{a,b}	1.0 x 10 ¹	2.7 x 10 ¹⁰	1.0 x 10 ⁵	2.7 x 10 ⁶
U230 (medium lung absorption) ^c	1.0 x 10 ¹	2.7 x 10 ¹⁰	1.0 x 10 ⁴	2.7 x 10 ⁷
U230 (slow lung absorption) ^d	1.0 x 10 ¹	2.7 x 10 ¹⁰	1.0 x 10 ⁴	2.7 x 10 ⁷
U232 (fast lung absorption) ^{a,b}	1.0	2.7 x 10 ¹¹	1.0 x 10 ³	2.7 x 10 ⁸
U232 (medium lung absorption) ^c	1.0 x 10 ¹	2.7 x 10 ¹⁰	1.0 x 10 ⁴	2.7 x 10 ⁷
U232 (slow lung absorption) ^d	1.0 x 10 ¹	2.7 x 10 ¹⁰	1.0 x 10 ⁴	2.7 x 10 ⁷
U233 (fast lung absorption) ^b	1.0 x 10 ¹	2.7 x 10 ¹⁰	1.0 x 10 ⁴	2.7 x 10 ⁷
U233 (medium lung absorption) ^c	1.0 x 10 ²	2.7 x 10 ⁹	1.0 x 10 ⁵	2.7 x 10 ⁶
U233 (slow lung absorption) ^d	1.0 x 10 ¹	2.7 x 10 ¹⁰	1.0 x 10 ⁵	2.7 x 10 ⁶
U234 (fast lung absorption) ^b	1.0 x 10 ¹	2.7 x 10 ¹⁰	1.0 x 10 ⁴	2.7 x 10 ⁷
U234 (medium lung absorption) ^c	1.0 x 10 ²	2.7 x 10 ⁹	1.0 x 10 ⁵	2.7 x 10 ⁶
U234 (slow lung absorption) ^d	1.0 x 10 ¹	2.7 x 10 ¹⁰	1.0 x 10 ⁵	2.7 x 10 ⁶
U235 (all lung absorption types) ^{a,b,c,d}	1.0 x 10 ¹	2.7 x 10 ¹⁰	1.0 x 10 ⁴	2.7 x 10 ⁷
U236 (fast lung absorption) ^b	1.0 x 10 ¹	2.7 x 10 ¹⁰	1.0 x 10 ⁴	2.7 x 10 ⁷
U236 (medium lung absorption) ^c	1.0 x 10 ²	2.7 x 10 ⁹	1.0 x 10 ⁵	2.7 x 10 ⁶
U236 (slow lung absorption) ^d	1.0 x 10 ¹	2.7 x 10 ¹⁰	1.0 x 10 ⁴	2.7 x 10 ⁷
U238 (all lung absorption types) ^{a,b,c,d}	1.0 x 10 ¹	2.7 x 10 ¹⁰	1.0 x 10 ⁴	2.7 x 10 ⁷
U (nat) ^a	1.0	2.7 x 10 ¹¹	1.0 x 10 ³	2.7 x 10 ⁸
U (enriched to 20% or less) ^e	1.0	2.7 x 10 ¹¹	1.0 x 10 ³	2.7 x 10 ⁸
U (dep)	1.0	2.7 x 10 ¹¹	1.0 x 10 ³	2.7 x 10 ⁸

Vanadium (23)

V48	1.0 x 10 ¹	2.7 x 10 ¹⁰	1.0 x 10 ⁵	2.7 x 10 ⁶
V49	1.0 x 10 ⁴	2.7 x 10 ⁷	1.0 x 10 ⁷	2.7 x 10 ⁴

Tungsten (74)

W178	1.0 x 10 ¹	2.7 x 10 ¹⁰	1.0 x 10 ⁶	2.7 x 10 ⁵
W181	1.0 x 10 ³	2.7 x 10 ⁸	1.0 x 10 ⁷	2.7 x 10 ⁴
W185	1.0 x 10 ⁴	2.7 x 10 ⁷	1.0 x 10 ⁷	2.7 x 10 ⁴
W187	1.0 x 10 ²	2.7 x 10 ⁹	1.0 x 10 ⁶	2.7 x 10 ⁵
W188	1.0 x 10 ²	2.7 x 10 ⁹	1.0 x 10 ⁵	2.7 x 10 ⁶

Xenon (54)

Xe122	1.0 x 10 ²	2.7 x 10 ⁹	1.0 x 10 ⁹	2.7 x 10 ²
Xe123	1.0 x 10 ²	2.7 x 10 ⁹	1.0 x 10 ⁹	2.7 x 10 ²
Xe127	1.0 x 10 ³	2.7 x 10 ⁸	1.0 x 10 ⁵	2.7 x 10 ⁶
Xe131m	1.0 x 10 ⁴	2.7 x 10 ⁷	1.0 x 10 ⁴	2.7 x 10 ⁷
Xe133	1.0 x 10 ³	2.7 x 10 ⁸	1.0 x 10 ⁴	2.7 x 10 ⁷
Xe135	1.0 x 10 ³	2.7 x 10 ⁸	1.0 x 10 ¹⁰	2.7 x 10 ¹

Yttrium (39)

Y87	1.0 x 10 ¹	2.7 x 10 ¹⁰	1.0 x 10 ⁶	2.7 x 10 ⁵
Y88	1.0 x 10 ¹	2.7 x 10 ¹⁰	1.0 x 10 ⁶	2.7 x 10 ⁵
Y90	1.0 x 10 ³	2.7 x 10 ⁸	1.0 x 10 ⁵	2.7 x 10 ⁶
Y91	1.0 x 10 ³	2.7 x 10 ⁸	1.0 x 10 ⁶	2.7 x 10 ⁵
Y91m	1.0 x 10 ²	2.7 x 10 ⁹	1.0 x 10 ⁶	2.7 x 10 ⁵
Y92	1.0 x 10 ²	2.7 x 10 ⁹	1.0 x 10 ⁵	2.7 x 10 ⁶
Y93	1.0 x 10 ²	2.7 x 10 ⁹	1.0 x 10 ⁵	2.7 x 10 ⁶

Ytterbium (70)

Yb169	1.0 x 10 ²	2.7 x 10 ⁹	1.0 x 10 ⁷	2.7 x 10 ⁴
-------	-----------------------	-----------------------	-----------------------	-----------------------

Adopted Rules

Yb175	1.0 x 10 ³	2.7 x 10 ⁸	1.0 x 10 ⁷	2.7 x 10 ⁴
Zinc (30)				
Zn65	1.0 x 10 ¹	2.7 x 10 ¹⁰	1.0 x 10 ⁶	2.7 x 10 ⁵
Zn69	1.0 x 10 ⁴	2.7 x 10 ⁷	1.0 x 10 ⁶	2.7 x 10 ⁵
Zn69m	1.0 x 10 ²	2.7 x 10 ⁹	1.0 x 10 ⁶	2.7 x 10 ⁵
Zirconium (40)				
Zr88	1.0 x 10 ²	2.7 x 10 ⁹	1.0 x 10 ⁶	2.7 x 10 ⁵
Zr93 ^a	1.0 x 10 ³	2.7 x 10 ⁸	1.0 x 10 ⁷	2.7 x 10 ⁴
Zr95	1.0 x 10 ¹	2.7 x 10 ¹⁰	1.0 x 10 ⁶	2.7 x 10 ⁵
Zr97 ^a	1.0 x 10 ¹	2.7 x 10 ¹⁰	1.0 x 10 ⁵	2.7 x 10 ⁶

^aParent nuclides and their progeny included in secular equilibrium are listed in the following:

Sr90	Y90
Zr93	Nb93m
Zr97	Nb97
Ru106	Rh106
Cs137	Ba137m
Ce134	La134
Ce144	Pr144
Ba140	La140
Bi212	Tl208(0.36), Po212(0.64)
Pb210	Bi210, Po210
Pb212	Bi212, Tl208 (0.36), Po212 (0.64)
Rn220	Po216
Rn222	Po218, Pb214, Bi214, Po214
Ra223	Rn219, Po215, Pb211, Bi211, Tl207
Ra224	Rn220, Po216, Pb212, Bi212, Tl208 (0.36), Po212 (0.64)
Ra226	Rn222, Po218, Pb214, Bi214, Po214, Pb210, Bi210, Po210
Ra228	Ac228
Th226	Ra222, Rn218, Po214
Th228	Ra224, Rn220, Po216, Pb212, Bi212, Tl208 (0.36), Po212 (0.64)
Th229	Ra225, Ac225, Fr221, At217, Bi213, Po213, Pb209
Th (nat)	Ra228, Ac228, Th228, Ra224, Rn220, Po216, Pb212, Bi212, Tl208 (0.36), Po212 (0.64)
Th234	Pa234m
U230	Th226, Ra222, Rn218, Po214
U232	Th228, Ra224, Rn220, Po216, Pb212, Bi212, Tl208 (0.36), Po212 (0.64)
U235	Th231
U238	Th234, Pa234m
U (nat)	Th234, Pa234m, U234, Th230, Ra226, Rn222, Po218, Pb214, Bi214, Po214, Pb210, Bi210, Po210
U240	Np240m
Np237	Pa233
Am242m	Am242
Am243	Np239

^bThese values apply only to compounds of uranium that take the chemical form of UF₆, UO₂F₂ and UO₂(NO₃)₂ in both normal and accident conditions of transport.

^cThese values apply only to compounds of uranium that take the chemical form of UO₃, UF₄, UCl₄ and hexavalent compounds in both normal and accident conditions of transport.

^dThese values apply to all compounds of uranium other than those specified in notes b and c of this table.

^eThese values apply to unirradiated uranium only.

Adopted Rules

4731.1010 POSTING WORKER NOTICES.

Subp. 2. **Notice to employees.** Each licensee and each applicant for a specific license must prominently post a MDH Form 3, "Notice to Employees," provided by the commissioner. A copy of any revision of the Notice to Employees must be posted within 30 days of receiving the revised notice from the commissioner. Copies of the Notice to Employees may be obtained by writing to the Radioactive Materials Unit, Minnesota Department of Health, 625 Robert Street N, P.O. Box 64975, St. Paul, MN 551640975.

Appointments

Minnesota Statutes, Section 15.06, Subd. 5. requires notice of the designation of a commissioner or acting commissioner, or the assumption of office by a temporary commissioner, shall be filed with the president of the senate and the speaker of the house with a copy delivered to the secretary of state and published in the next available edition of the *State Register*.

Department of Health

Notice of Appointment of Commissioner Dr. Sanne Dail Jones Magnan

NOTICE IS HEREBY GIVEN, pursuant to *Minnesota Statutes*, Section 15.06, Subd. 5, that Governor Tim Pawlenty appointed Dr. Sanne Dail Jones Magnan to the office of Commissioner of the Minnesota Department of Health effective November 2, 2007. She succeeds Dianne Mandernach, appointed commissioner effective February 18, 2003 to replace Acting Commissioner Aggie Leitheiser. This appointment carries with it all rights, powers, duties, and emoluments granted by law and pertaining to this position until this appointment is superseded or annulled.

The laws and rules governing the Department of Health are:

- *Minnesota Statutes*, 62D, 62J, 62L, 62N, 62P, 62Q, 62R, 103H, 103I, 144, 144A, 145, 145A, 149, 157, 326 and 327
- *Minnesota Rules* 4600-4799

Commissioner Magnan lives at 1022 - 26th Avenue S.E., Minneapolis, Minnesota , 55403, Hennepin County, Congressional District Five. She can be reached at the Minnesota Department of Health, Golden Rule Bldg., 85 E. 7th Place, Suite 400, St. Paul, MN 55101. Telephone (651) 296-8401. Website: <http://www.mdh.state.mn.us>

Commissioners' Orders

Various agency commissioners are authorized to issue "commissioner's orders" on specified activities governed by their agency's enabling laws. See the *Minnesota Statutes* governing each agency to determine the specific applicable statutes. Commissioners' orders are approved by assistant attorneys general as to form and execution and published in the *State Register*. These commissioners orders are compiled in the year-end subject matter index for each volume of the *State Register*.

Department of Natural Resources Designation of Wildlife Management Lakes Order No. 07-001

Pursuant to the provisions of *Minnesota Statutes*, section 97A.101, subdivision 2, the following described lake under the jurisdiction of the Minnesota Department of Natural was designated as a wildlife management lake in 2003.

Pursuant to the provisions of *Minnesota Statutes*, section 97A.101, subdivision 4, the following surface use restrictions apply to Towner Lake (26-218P), Township 127N, Range 43W, Sections 33 and 34, Grant County:

All motorized boat use; year-round on the entire basin is restricted.

NOW THEREFORE, IT IS HEREBY ORDERED that the designated lake described has the above motorized surface use restrictions.

Dated: October 23, 2007

Signed: Mark Holsten, Commissioner
Department of Natural Resources

Minnesota Department of Natural Resources Classification of the Grand Portage and Pat Bayle State Forests and Other State Forest Lands under the Authority of the Commissioner in Cook County, Minnesota with Respect to Motor Vehicle Use

NOTICE IS HEREBY GIVEN that the Commissioner of Natural Resources orders the classification of state forest lands pursuant to *Minnesota Laws 2003, Chapt. 128, Art. 1, Sect. 167 (as amended in 2005 & 2007)* and *Minnesota Rules Chapter 6100.1950*.

The commissioner orders the classification of state lands located within the Grand Portage State Forest as '*managed*'; classification of state lands located within the Pat Bayle State Forest as '*limited*'; classification of state lands within the Boundary Waters Canoe Area Wilderness (BWCAW) as '*closed*'; and classification of state forest lands located outside of both the BWCAW and state forest boundaries as '*limited*' with respect to motor vehicle use, as shown in **Exhibit A**, attached hereto and incorporated herein.

The Commissioner further orders that the portion of the Grand Portage State Forest known as the *Jackson Lake Site*, as shown in **Exhibit B**, attached hereto and incorporated herein, be classified as '*limited*' with respect to motor vehicle use.

WHEREAS:

1. *Minnesota Laws 2003, Chapt. 128, Art. 1, Sect. 167 (as amended in 2005 & 2007)* and *Minnesota Rules Part 6100.1950* require the Commissioner of Natural Resources to classify all state forest lands with respect to motor vehicle use.

2. The agency published its' proposed motor vehicle use classification and forest road and trail designations in a draft plan in March 2007. Public meetings weresubsequently held and received written comments and submissions were received regarding the public's use of forest lands, roads and trails in Cook County.

Commissioner's Orders

3. All public notice and procedural requirements in *Minnesota Statutes*, and other applicable rules and legal obligations have been fulfilled.

4. The state forest classification is both needed and reasonable.

NOW THEREFORE, IT IS ORDERED that state forest lands located within the Grand Portage State Forest be classified as '*Managed*'; state forest lands within the Pat Bayle State Forest be classified as '*Limited*'; classification of state lands within the Boundary Waters Canoe Area Wilderness (BWCAW) as '*closed*'; and classification of state forest lands located outside of both the BWCAW and state forest boundaries as '*limited*' with respect to motor vehicle use pursuant to authority vested in me by Minnesota Law. State forest land classification for Cook County, Minnesota is depicted in ***Exhibit A***, which is attached hereto and incorporated herein.

IT IS FURTHER ORDERED that state forest lands within the area described below be classified as '*limited*' with respect to motor vehicle use pursuant to authority vested in me by Minnesota Law. This area is depicted in ***Exhibit B***, which is attached hereto and incorporated herein.

· *Jackson Lake Site* - Lands south of the Andy Lake Forest Road and west of the Jackson Lake Forest Road in Sections 10, 11, 14 & 15; the NE1/4 of the NW1/4 and the N1/2 of the NE1/4 of Section 22; the N1/2 of the NW1/4 and the N1/2 of the NE1/4 of Section 23 lying west of the Jackson Lake Road; all located in T63N R4E and consisting of about 1,528 acres.

IT IS FURTHER ORDERED that the above motor vehicle use classifications shall become effective September 1, 2008.

Dated 10/30/07

Mark Holsten, Commissioner
Minnesota Department of Natural Resources

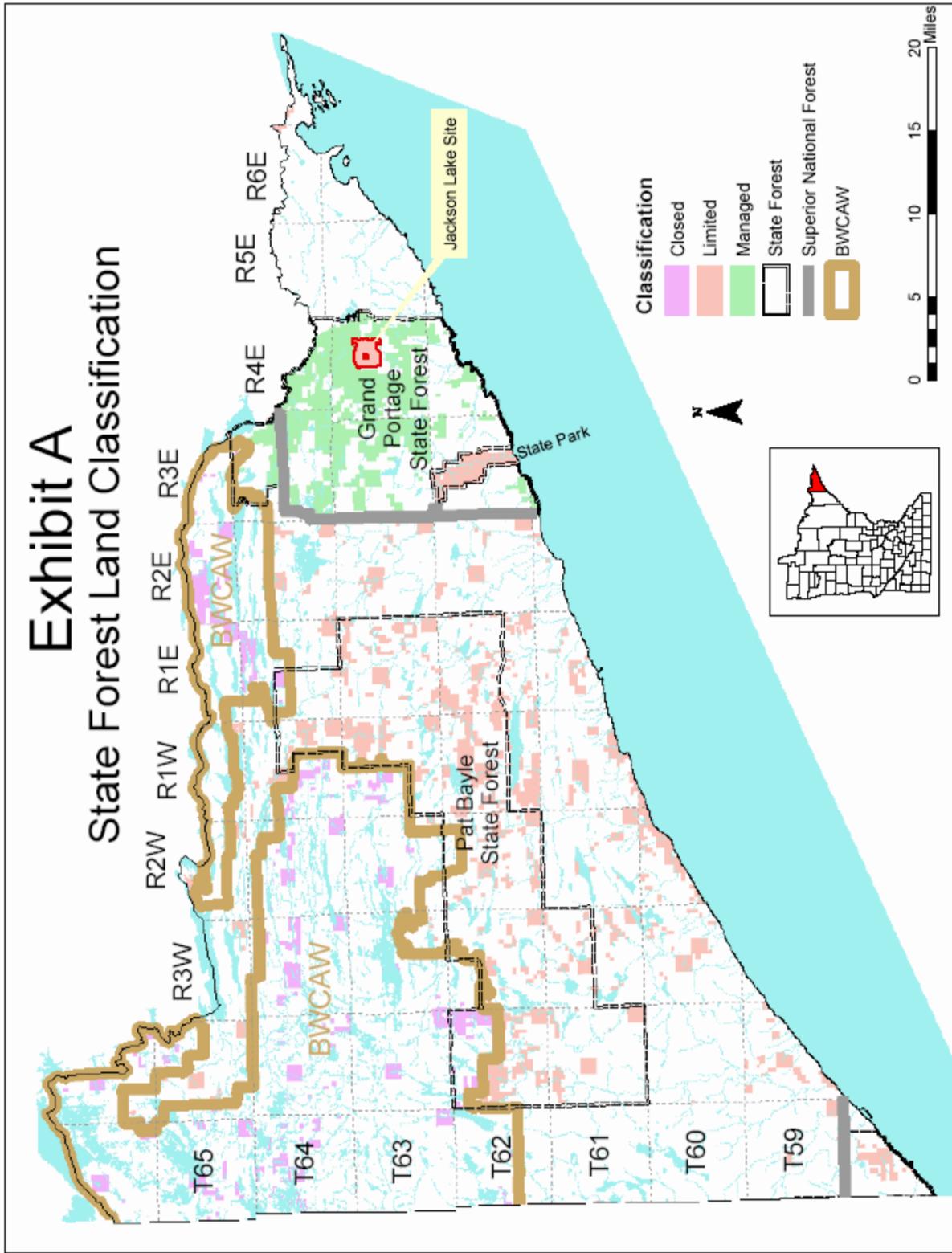
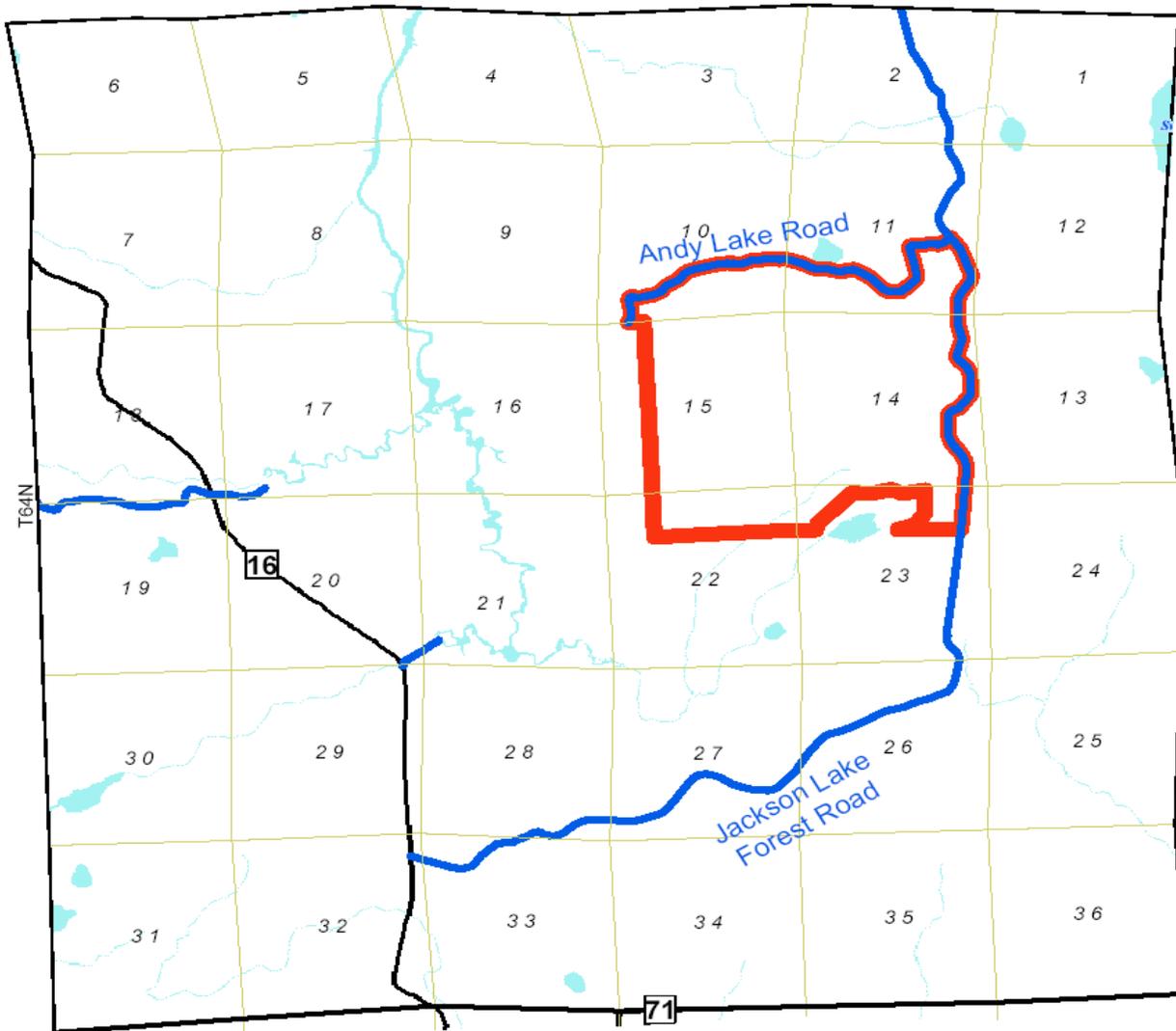
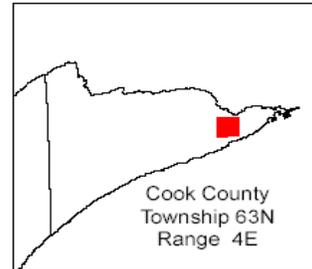


Exhibit B

Jackson Lake Site



Commissioners' Orders

Minnesota Department of Natural Resources

Designation of Forest Trails in the Grand Portage and Pat Bayle State Forests and on Other Lands under the Authority of the Commissioner in Cook County, Minnesota

NOTICE IS HEREBY GIVEN that the Commissioner of Natural Resources orders the designation of forest trails pursuant to *Minnesota Statutes, Section 89.19, Subd. 2*. The designations are for specified recreational purposes.

WHEREAS:

1. *Minnesota Statutes, Section 89.19, Subd. 2* authorizes the designation, and changes in designation, of forest trails by written order, specifying public notice and public meeting requirements which must be fulfilled prior to making such designations.

2. *Minnesota Laws 2003, Chap. 128, Art. 1, Sect. 167 (as amended in 2005 & 2007) and Minnesota Rules Part 6100.1950* require the Commissioner of Natural Resources to classify all state forest lands with respect to motor vehicle use.

3. The agency published its proposed motor vehicle use classification and forest road and trail designations in a draft plan in March 2007. The agency held public meetings and solicited and received written comments and submissions regarding the public's use of forest lands, roads and trails in Cook County.

4. All public notice and procedural requirements in *Minnesota Statutes*, and other applicable rules and legal obligations have been fulfilled.

5. The forest trail designations are both needed and reasonable.

NOW THEREFORE, IT IS ORDERED that the forest trails described below are hereby designated pursuant to authority vested in me by Minnesota Law:

1. **All Terrain Vehicle (ATV) / Off-Highway Motorcycle (OHM) Trails** – The approximately 7.6 miles of trail depicted on the map labeled *Exhibit A*, attached hereto and incorporated herein, are designated as ATV / OHM Trails.

2. **Hunter Walking Trails** - The approximately 4.5 miles of trail depicted on the map labeled *Exhibit B*, attached hereto and incorporated herein, are designated as Hunter Walking Trails.

3. **Hiking Trails** - The approximately 34.1 miles of trail depicted on the map labeled *Exhibit C*, attached hereto and incorporated herein, are designated as Hiking Trails.

IT IS FURTHER ORDERED that these trail designations shall become effective on September 1, 2008.

Dated: 10/30/07

Mark Holsten, Commissioner
Minnesota Department of Natural Resources

Exhibit A

All Terrain Vehicle (ATV)
Off-Highway Motorcycle (OHM)
Trail Designations

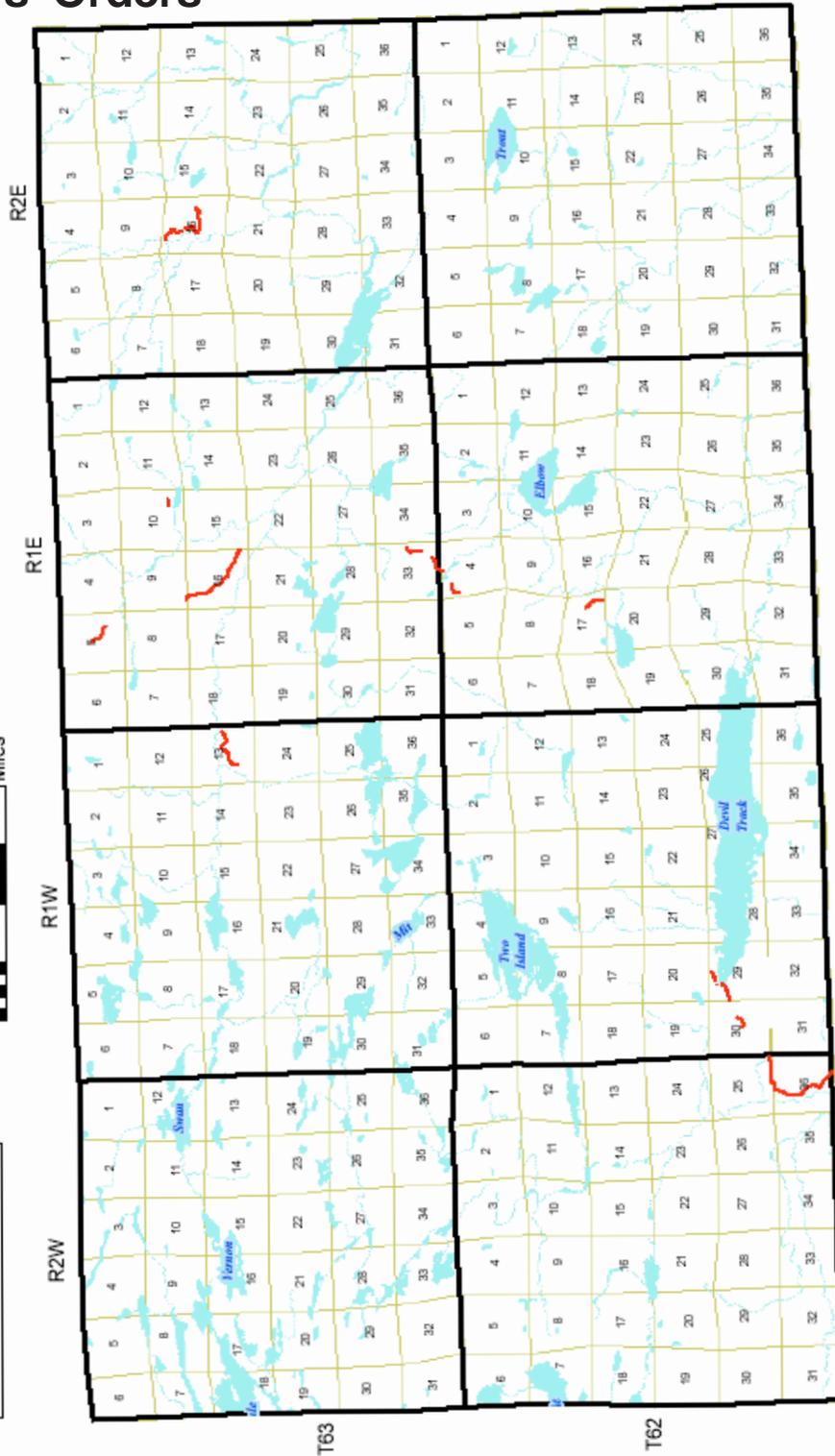
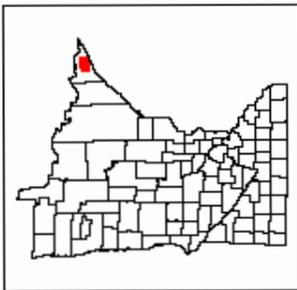
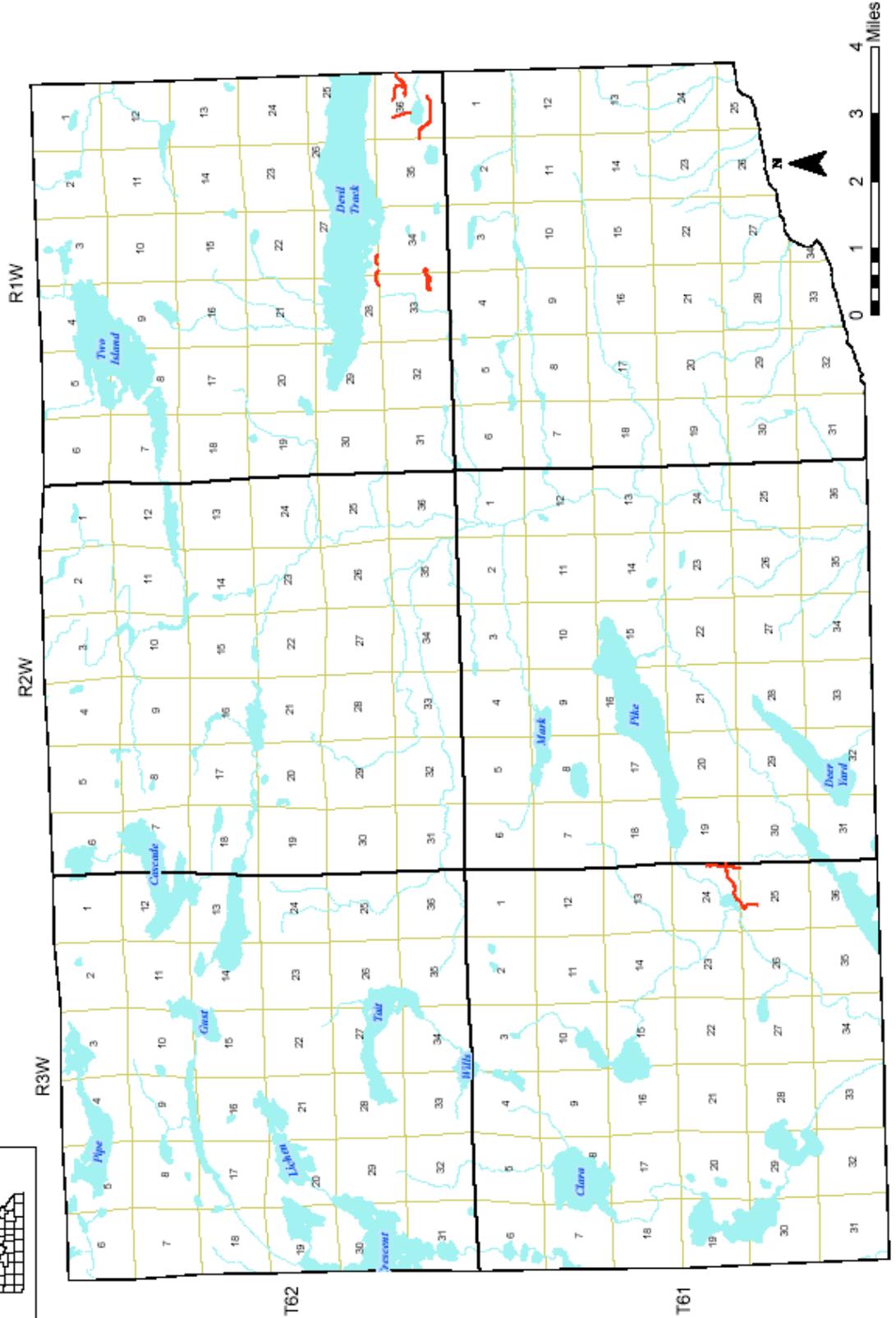
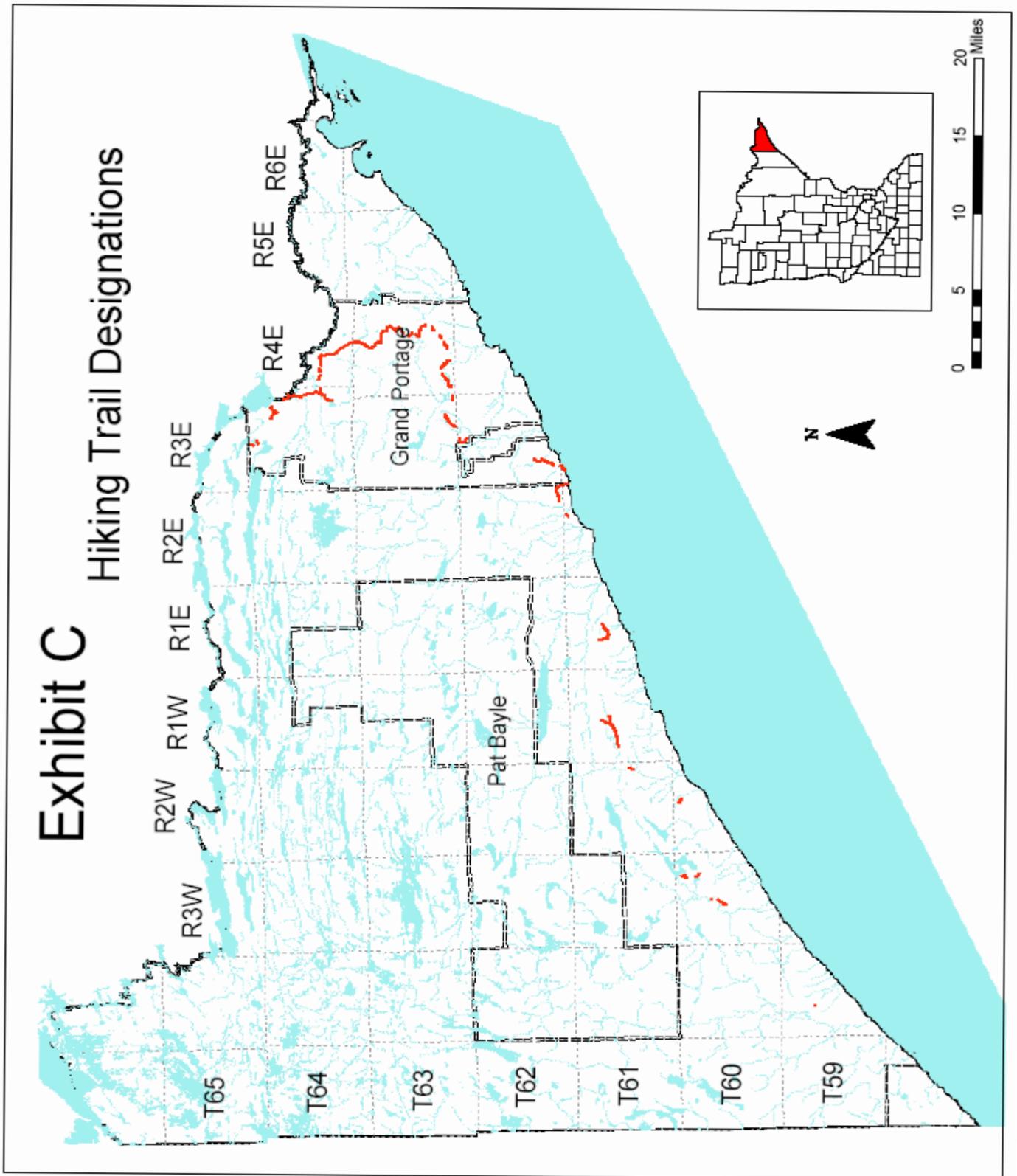


Exhibit B

Hunter Walking Trail Designations





Minnesota Department of Natural Resources Designation of Forest Roads in Cook County, Minnesota

NOTICE IS HEREBY GIVEN that the Commissioner of Natural Resources orders the designation of forest roads located within the Grand Portage and Pat Bayle State Forests, and on other lands under the authority of the commissioner in Cook County, Minnesota. These designations, pursuant to *Minnesota Statutes, Section 89.71, Subd. 1*, are identified in **Exhibit A**, attached hereto and incorporated herein.

WHEREAS:

1. *Minnesota Laws 2003, Chapt. 128, Art. 1, Sect. 167 (as amended in 2005 & 2007)* and *Minnesota Rules Part 6100.1950* require the Commissioner of Natural Resources to classify all state forest lands with respect to motor vehicle use.

2. *Minnesota Statutes, Section 89.71, Subd. 1*, provides that the commissioner may designate or undesignate forest roads by written order published in the *State Register*.

3. The agency published its' proposed motor vehicle use classification and forest road and trail designations in a draft plan in March 2007. Public meetings were held and the agency received written comments and submissions regarding the public's use of forest lands, roads and trails in Cook County.

4. All public notice and procedural requirements in *Minnesota Statutes*, and other applicable rules and legal requirements have been fulfilled.

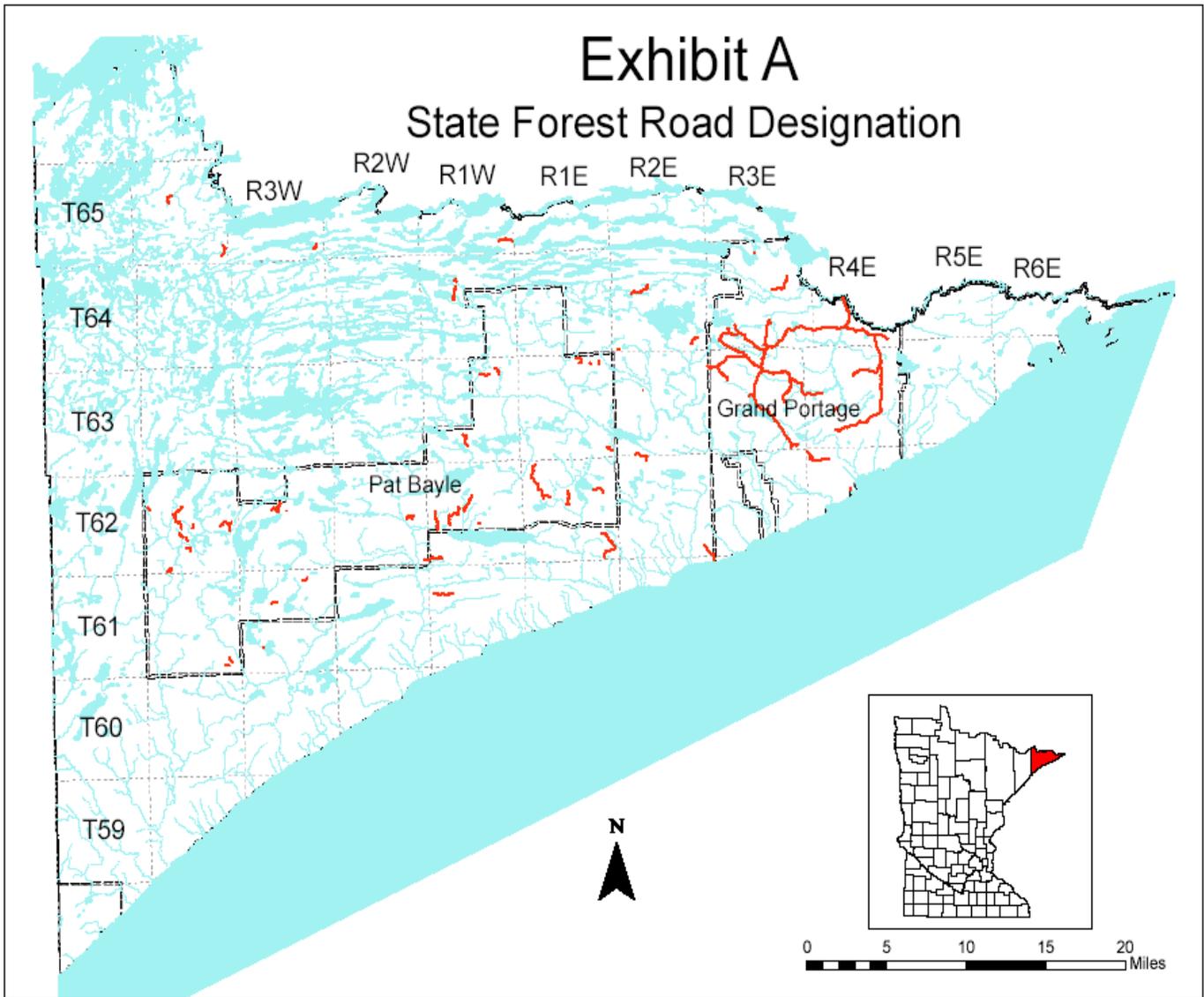
5. The forest road designations are both needed and reasonable.

NOW THEREFORE, IT IS ORDERED that the forest roads identified in **Exhibit A**, attached hereto and incorporated herein, are hereby designated pursuant to authority vested in me by Minnesota law.

IT IS FURTHER ORDERED that the designation of the forest roads identified in **Exhibit A**, shall become effective on September 1, 2008.

Dated 10/30/07

Mark Holsten, Commissioner
Minnesota Department of Natural Resources



Minnesota Department of Natural Resources

Classification of the Finland State Forest and Other State Forest Lands under the Authority of the Commissioner in Lake County, Minnesota with Respect to Motor Vehicle Use

NOTICE IS HEREBY GIVEN that the Commissioner of Natural Resources orders the classification of state forest lands pursuant to *Minnesota Laws 2003, Chapt. 128, Art. 1, Sect. 167 (as amended in 2005 & 2007)* and *Minnesota Rules Part 6100.1950*.

The commissioner orders the classification of State Forest Lands within Lake County, including lands located within and outside the Finland State Forest, as either 'managed' or 'limited', with respect to motor vehicle use, as shown in *Exhibit A*, attached hereto and incorporated herein.

The commissioner further orders that all State Forest Lands within the Boundary Waters Canoe Area Wilderness, and within three areas known as *Cabin Creek*, *Beaver Ridge*, and *Upper Baptism / Manitou*, be classified as 'closed' with respect to motor vehicle use, as shown in *Exhibit A*, attached hereto and incorporated herein.

The commissioner further orders that four sites located within St. Louis County, identified as *Kawishiwi*, *Trumpeter Rainy Swimmer*, *Spruce Road* and *Greenstone Lake*, as shown in *Exhibit B*, attached hereto and incorporated herein, be subject to limitations on off-trail and non-designated trail use pursuant to *Minnesota Statutes, Sect. 84.926, Subd. 5*.

WHEREAS:

1. *Minnesota Laws 2003, Chapt. 128, Art. 1, Sect. 167 (as amended in 2005 & 2007)* and *Minnesota Rules Part 6100.1950* require the Commissioner of Natural Resources to classify all state forest lands with respect to motor vehicle use.

2. *Minnesota Statutes, Sect. 84.926, Subd. 2 and Subd. 4* do allow certain big game hunting and trapping-related motor vehicle operation exceptions on forest lands classified as 'managed' or 'limited' with respect to motor vehicle use. *Subd. 5* authorizes the Commissioner to designate state forest lands not subject to the exceptions provided for in *Subd. 2 and Subd. 4*.

3. The agency published its' proposed motor vehicle use classification and forest road and trail designations in a draft plan in March 2007. Public meetings were held and written comments and submissions were received regarding the public's use of forest lands, roads and trails in Lake County.

4. All public notice and procedural requirements in *Minnesota Statutes*, and other applicable rules and legal obligations have been fulfilled.

5. The state forest classification is both needed and reasonable.

NOW THEREFORE, IT IS ORDERED that all state forest lands located within Lake County, including the Finland State Forest, be classified with respect to the operation of motor vehicles as shown in *Exhibit A*, attached hereto and incorporated herein, pursuant to authority vested in me by Minnesota Law.

IT IS FURTHER ORDERED that state forest lands within the Boundary Waters Canoe Area Wilderness, and other lands under the authority of the commissioner within the areas described below be classified as 'closed' with respect to motor vehicle use pursuant to authority vested in me by Minnesota Law. These areas are depicted in *Exhibit A*, attached hereto and incorporated herein.

- *Cabin Creek* – State lands located in T59N R6W, Sections 16, 20, 29 and 30, and state lands located north and east of Moose Creek in Sections 31 and 32 consisting of about 1,504 acres. This area is bounded on the south by US Forest Service lands.

- *Beaver Ridge* – State lands in T55N R8W located south of the Beaver River between the confluence with the West Branch on the west and Glen Avon Falls on the east, and north of State Highway 61 consisting of about 733 acres.

- *Upper Baptism / Manitou* – State lands in T58N R7W located north of the Sonju Lake Road, south of the South Branch of the Manitou River and Art Lake, east of the eastern terminus of the "KC" Road, and west of Lake 23 and the Baptism River consisting of about 1,878 acres.

Commissioner's Orders

IT IS FURTHER ORDERED that state forest lands, and other lands under the authority of the commissioner, within the areas described below be designated as areas with limitations on off-trail and non-designated trail use pursuant to *Minnesota Statutes, Sect. 84.926, Subd. 5*. These areas are depicted in **Exhibit B**, attached hereto and incorporated herein.

- *Kawishiwi* – State lands in T62N R11W located north of the South Kawishiwi River, west of Crocket Lake, and adjoining the north and east sides of the Kawishiwi Pines Scientific and Natural Area consisting of about 675 acres.

- *Trumpeter Rainy Swimmer* – State lands in T57 & 58N – R10 & 11W located south of the South Greenwood River, west of Lake County #2 and Weber Creek, east of the Nelson Road and Pine Lake, north and west of Murphy Creek, and north of the railroad tracks. The area is bounded on the north by USFS Road 813 and by winter access trails that connect to the Nelson Road. This area consists of about 5,490 acres.

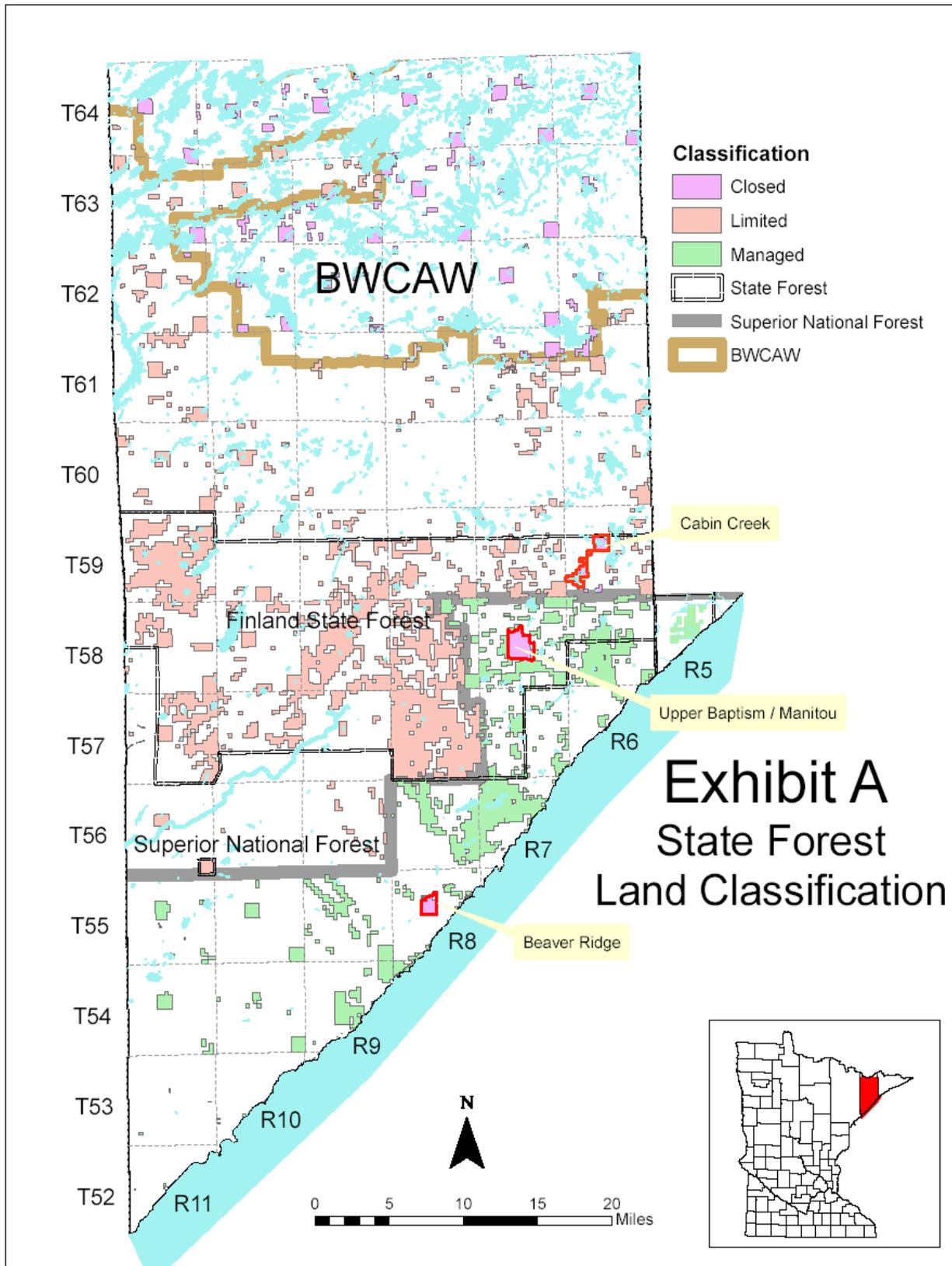
- *Spruce Road* – Beginning at the intersection of State Highway 1 and Lake County 23 (Spruce Road), those lands located north of State Highway 1, west of USFS Road 1468 to the point where the road crosses the township line between T61N R11W and T61N R10W, west of the township line between T61N R11W and T61 N R10W and T62N R11W and T62N R10W until the township line crosses the Tomahawk State Snowmobile Trail, west of the Tomahawk Trail until its intersection with County Road 23, and south of County Road 23; consisting of about 1,380 acres.

- *Greenstone Lake* – Lands located south of Lake County Highway 18 (Fernberg Road) in T63N R10W Section 16; consisting of about 550 acres.

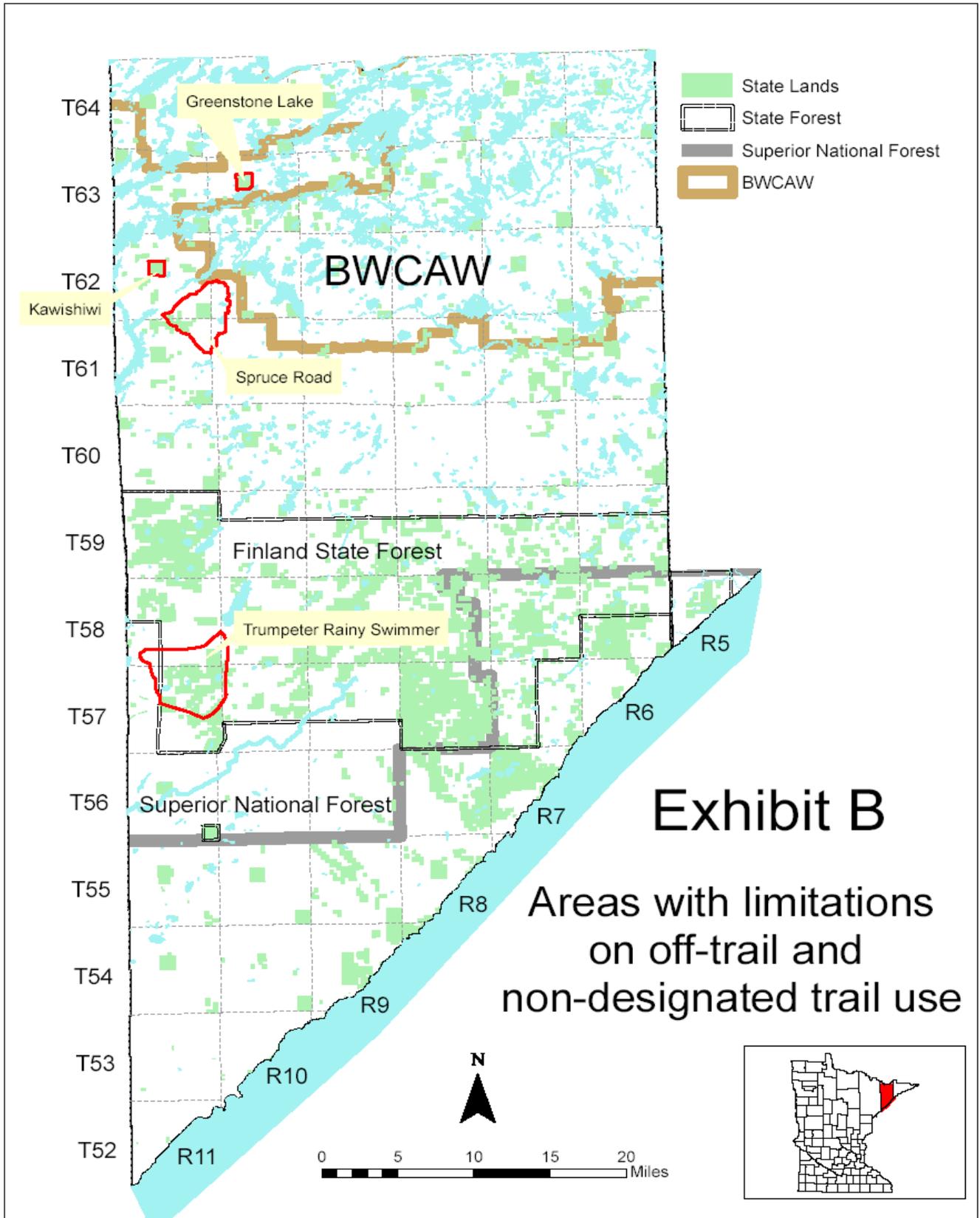
IT IS FURTHER ORDERED that the above motor vehicle use classifications and motor-limited area designations shall become effective September 1, 2008.

Dated 10/30/07

Mark Holsten, Commissioner
Minnesota Department of Natural Resources



Commissioner's Orders



Commissioner's Orders

Minnesota Department of Natural Resources Designation of Forest Roads in Lake County, Minnesota

NOTICE IS HEREBY GIVEN that the Commissioner of Natural Resources orders the designation of forest roads located within the Finland State Forest, and on other lands under the authority of the commissioner in Lake County, Minnesota. These designations, pursuant to *Minnesota Statutes, Section 89.71, Subd. 1*, are identified in **Exhibit A**, which is attached hereto and incorporated herein.

WHEREAS:

1. *Minnesota Statutes, Section 89.71, Subd. 1*, provides that the commissioner may designate or undesignate forest roads by written order published in the *State Register*.

2. *Minnesota Laws 2003, Chapt. 128, Art. 1, Sect. 167 (as amended in 2005 & 2007)* and *Minnesota Rules Part 6100.1950* require the Commissioner of Natural Resources to classify state forest lands with respect to motor vehicle use.

3. The agency published its' proposed motor vehicle use classification and forest road and trail designations in a draft plan in March 2007. Public meetings were held and written comments and submissions were received regarding the public's use of forest lands, roads and trails in Lake County.

4. All public notice and procedural requirements in *Minnesota Statutes*, and other applicable rules and legal requirements have been fulfilled.

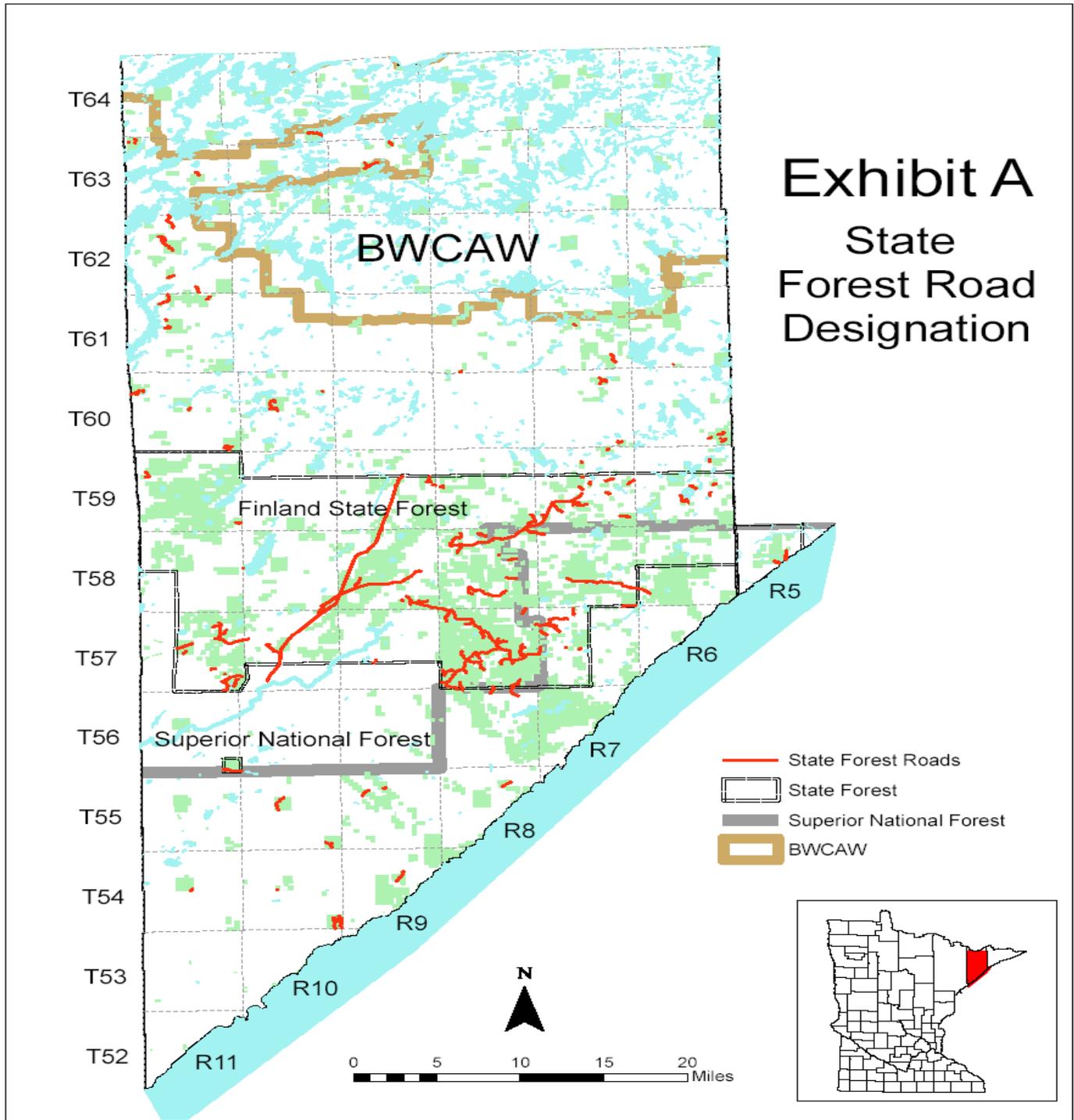
5. The forest road designations are both needed and reasonable.

NOW THEREFORE, IT IS ORDERED that the forest roads identified in **Exhibit A**, attached hereto and incorporated herein, are hereby designated pursuant to authority vested in me by Minnesota law.

IT IS FURTHER ORDERED that the designation of the forest roads identified in **Exhibit A**, shall become effective on September 1, 2008.

Dated 10/30/07

Mark Holsten, Commissioner
Minnesota Department of Natural Resources



Commissioner's Orders

Minnesota Department of Natural Resources

Designation of Forest Trails in the Finland State Forest and on Other Lands under the Authority of the Commissioner in Lake County, Minnesota

NOTICE IS HEREBY GIVEN that the Commissioner of Natural Resources orders the designation of forest trails pursuant to *Minnesota Statutes, Section 89.19, Subd. 2*. The designations are for specified recreational purposes.

WHEREAS:

1. *Minnesota Statutes, Section 89.19, Subd. 2* authorizes the designation, and changes in designation, of forest trails by written order, specifying public notice and public meeting requirements which must be fulfilled prior to making such designations.

2. *Minnesota Laws 2003, Chap. 128, Art. 1, Sect. 167 (as amended in 2005 & 2007) and Minnesota Rules Part 6100.1950* require the Commissioner of Natural Resources to classify all state forest lands with respect to motor vehicle use.

3. The agency published its' proposed motor vehicle use classification and forest road and trail designations in a draft plan in March 2007. Public meetings were held and written comments and submissions were received regarding the public's use of forest lands, roads and trails in Lake County.

4. All public notice and procedural requirements in *Minnesota Statutes*, and other applicable rules and legal obligations have been fulfilled.

5. The forest trail designations are both needed and reasonable.

NOW THEREFORE, IT IS ORDERED that the forest trails described below are hereby designated pursuant to authority vested in me by Minnesota Law:

1. **All Terrain Vehicle (ATV) / Off-Highway Motorcycle (OHM) Trails**– Approximately 5.0 miles depicted in *Exhibit A*, attached hereto and incorporated herein, are designated as ATV Trails. About 1.0 miles of trail depicted in the same exhibit are designated as ATV / OHM Trails.

2. **Hunter Walking Trails** – Approximately 4.1 miles of trail depicted on the map labeled *Exhibit B*, attached hereto and incorporated herein, are designated as Hunter Walking Trails.

3. **Hiking Trails** – Approximately 14.8 miles of trail depicted on the map labeled *Exhibit C*, attached hereto and incorporated herein, are designated as Hiking Trails.

IT IS FURTHER ORDERED that these trail designations shall become effective on September 1, 2008.

Dated 10/30/07

Mark Holsten, Commissioner
Minnesota Department of Natural Resources

Commissioner's Orders

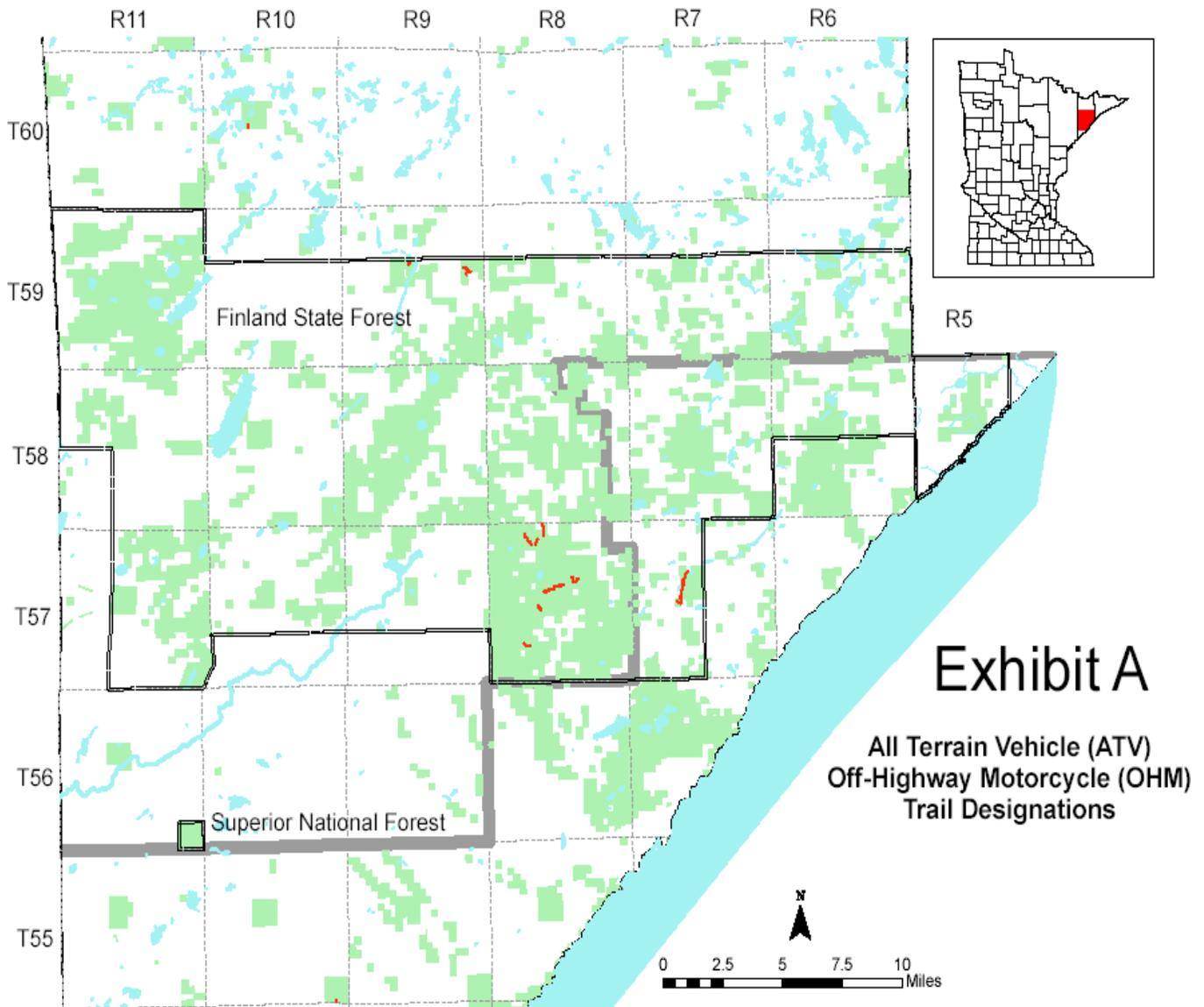
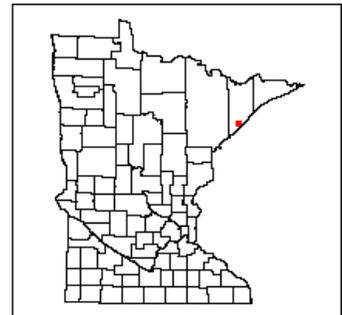
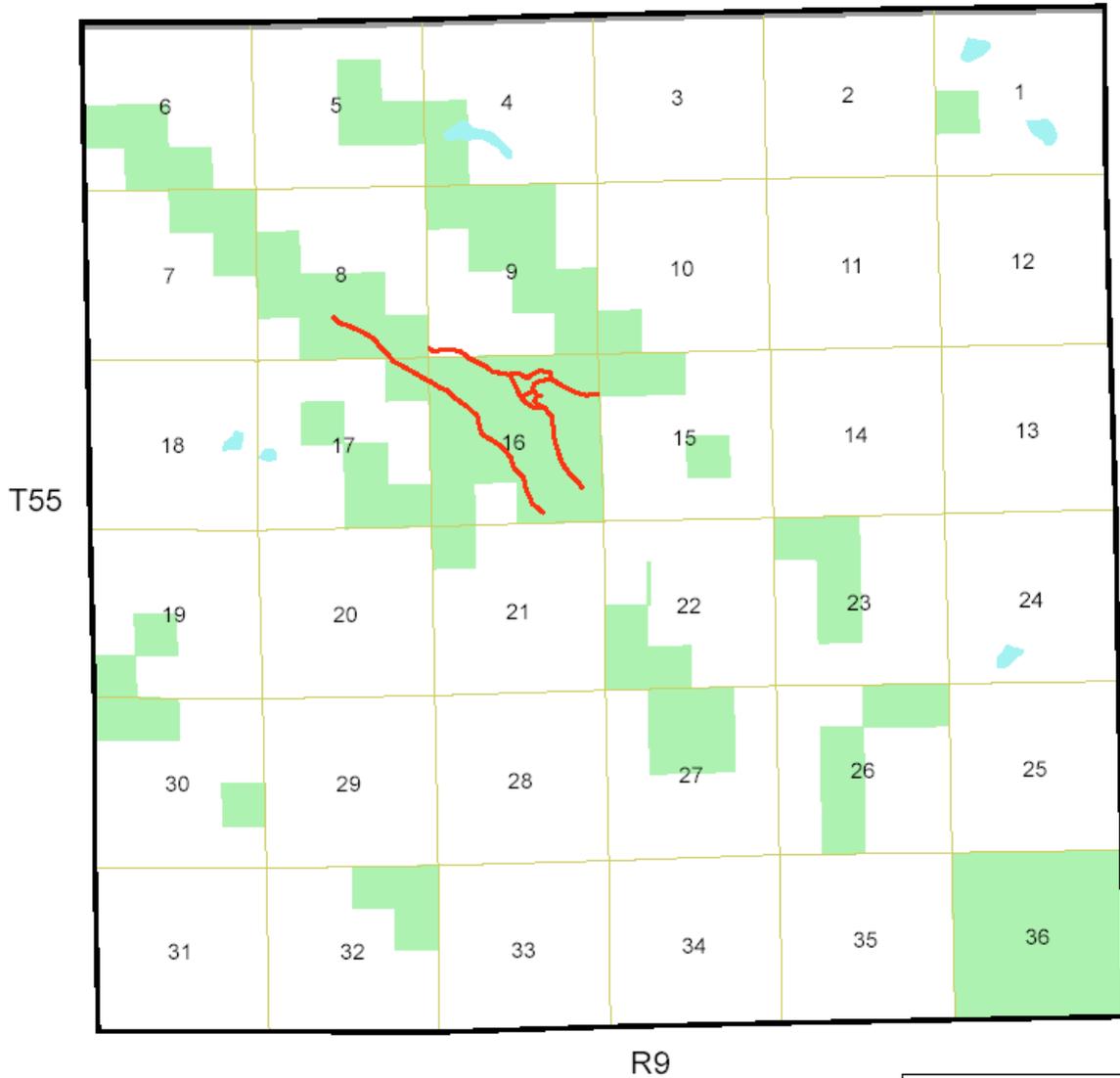
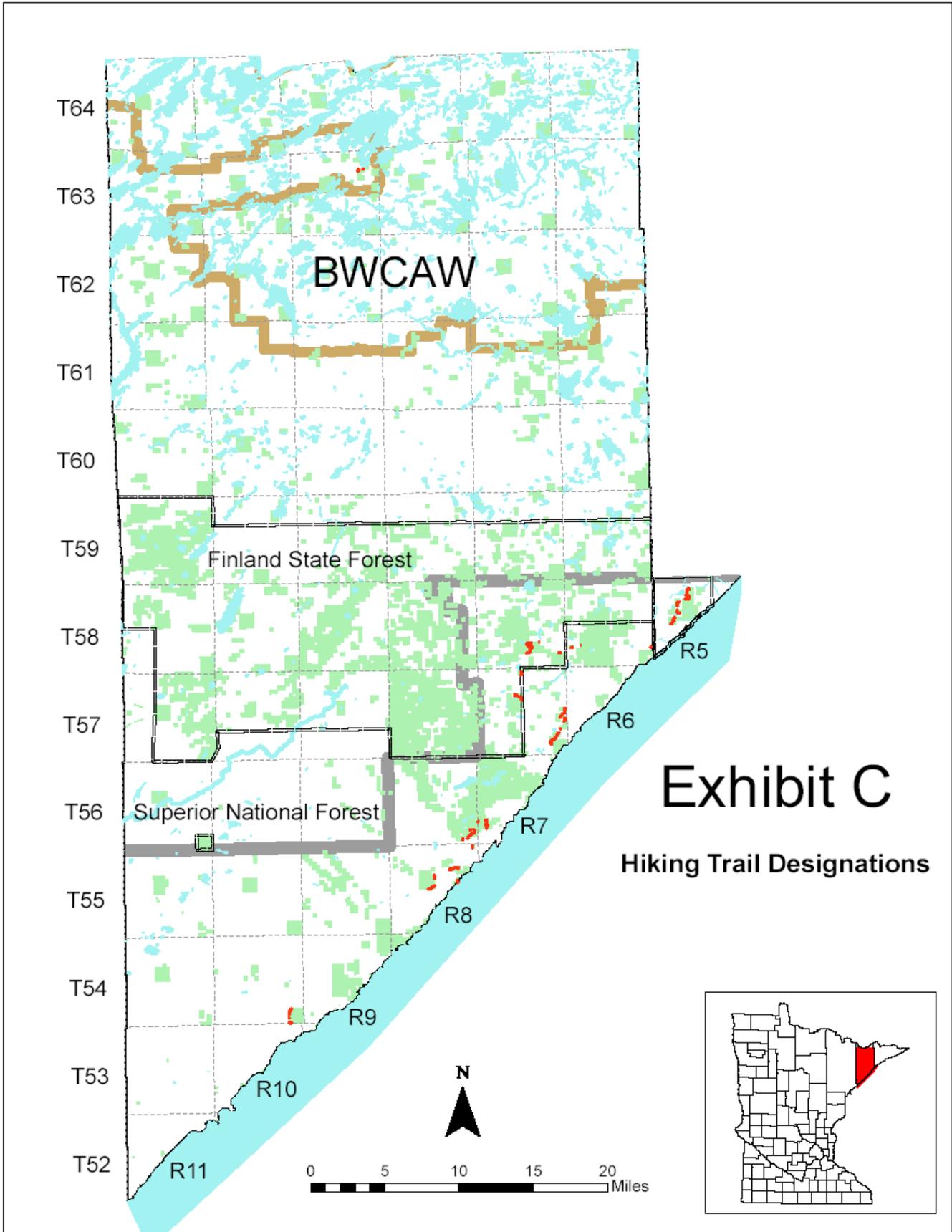


Exhibit B

Hunter Walking Trail Designations





Public Utilities Commission

Notice of Filing and Public Hearing in the Matter of the Application of Xcel Energy for a Certificate of Need for the 100 MW Grand Meadows Wind Project in Mower County

Public Utilities Commission Docket No: E0022/CN-07-873

NOTICE IS HEREBY GIVEN that on June 25, 2007, Xcel Energy submitted a Certificate of Need application for the 100 megawatt Grand Meadow Wind Farm Project. The project will consist of 67 1.5 MW General Electric wind turbines located on approximately 40 square miles in Mower County. The 100.5 MW project will comprise approximately half of the 200 MW Wapsipinicon Site Permit Application filed by enXco Development Corporation ("enXco"). The project will be completed using a build-transfer approach, where enXco will develop and construct the facility, and the ownership subsequently transfers to Xcel Energy. The project has an in-service target date of November 1, 2008.

The proposed generation facility project falls under the definition of "large energy facility" in Minn. Stat. § 216B.2421, subd. 2 (3). Therefore, in accordance with *Minnesota Statutes* § 216B.243, subd. 2, the facilities cannot be constructed or sited in Minnesota unless the Commission issues a certificate of need to the Applicant.

The certificate of need rules pertaining to this filing are *Minnesota Rules*, parts 7849.0010 to 7849.0400. More specifically, the application requirements for large generating facilities are given by parts 7849.0220, 7849.0250, and 7849.0320. The criteria for assessment of need are given by part 7849.0120.

The Minnesota Public Utilities Commission will hold a public hearing to receive public comments on the Application for a Certificate of Need filed by Xcel Energy for the Grand Meadow Wind Project in Mower County on Tuesday, November 20, 2007 at Grumpy's Restaurant, 204 4th Avenue NE, Grand Meadow, MN, beginning at 6:00 PM.

Administrative Law Judge Steve M. Mihalchick will preside at the hearing. Interested persons are encouraged to attend and provide oral and written comments on whether the proposed project is needed and in the public interest. Written comments can also be sent directly to until November 20, 2007 to Judge Mihalchick at the Minnesota Office of Administrative Hearings, 600 North Robert Street, St. Paul, Minnesota, 55101, phone 651-361-7844, e-mail: Steve.Mihalchick@state.mn.us. The docket number, E0022/CN-07-873, should be noted.

Xcel Energy seeks approval of its claimed need for the purchase of 100.5 megawatts, which is approximately half of a 205 megawatt wind project being proposed by enXco Development Corporation. enXco has filed a separate, concurrent application with the Commission for a Site Permit for its Wapsipinicon Wind Farm. A separate proceeding is underway for the site permit in docket number IP6646/WS-07-839. However, public comments on either the question of Xcel Energy's 100 megawatt need or enXco's proposed 205 megawatt site will be received at the public hearing. Several documents are available for review, including both the Xcel Energy and enXco applications, an Environmental Report prepared by the Minnesota Department of Commerce on Xcel Energy's need for 100 megawatts of wind capacity, and a draft site permit for enXco's proposed 205 megawatt wind farm. The documents may be viewed on edockets at: www.edockets.state.mn.us (click Search, then enter the docket numbers **07-873** for the Xcel Energy docket and **07-839** for the enXco docket, then click the Search box at the bottom of the form).

Questions about the Grand Meadow Wind Project Certificate of Need or the Wapsipinicon Wind Site Permit may be directed to Bret Eknes, Minnesota Public Utilities Commission, 121 7th Place East, Suite 350, St. Paul, MN 55101, phone: (651) 201-2236, e-mail Bret.Eknes@state.mn.us.

Official Notices

Pursuant to *Minnesota Statutes* §§ 14.101, an agency must first solicit comments from the public on the subject matter of a possible rulemaking proposal under active consideration within the agency by publishing a notice in the *State Register* at least 60 days before publication of a notice to adopt or a notice of hearing, and within 60 days of the effective date of any new statutory grant of required rulemaking.

The *State Register* also publishes other official notices of state agencies and non-state agencies, including notices of meetings and matters of public interest.

Assistance with Official Notices

The person listed as the contact for each agency is the one you want to connect with. They give you all the information you need.

You will also quickly find what you need when you SUBSCRIBE and use our LINKS. You receive MORE with a subscription to the *State Register*. Open the *State Register* and click on Bookmarks in the upper right corner. You also receive ALL the current rules, with an INDEX, and previous years' indices. And you receive a summarized "Contracts & Grants" section of Bids still open. Subscriptions cost \$180 a year (an \$80 savings). Here's what you'll get:

- **WORD SEARCH Capability**
- **LINKS, LINKS, LINKS**
- **E-mailed to you . . . its so easy**
- **Early delivery, on Friday**
- **"Contracts & Grants" Open for Bid**
- **Updates to Index to Vol. 31**
- **Indexes to Vols. 30, 29, 28 and 27**
- **Easy Access to *State Register* Archives**

It's all E-mailed to you, at end-of-day on Friday, instead of waiting for the non-subscriber's issue released on Monday. Contact Cathy Hoekstra, our subscriptions manager, at (651) 297-8777, or **Fax:** (651) 297-8260, or **E-mail:** cathy.hoekstra@state.mn.us

Department of Agriculture

Minnesota Rural Finance Authority

Notice of Public Hearing on the Issuance of an Agricultural Development Revenue Bond under Minnesota Statutes, Chapter 41C on Behalf of Jeff and Nancy Anderson

NOTICE IS HEREBY GIVEN that a public hearing will be held on December 3, 2007, at 9:00 a.m., Department of Agriculture Building, Agricultural Finance Division, 625 Robert Street North, Saint Paul, Minnesota, on a proposal that the Minnesota Rural Finance Authority (the Authority) issue its revenue bond under Minnesota Statutes, Chapter 41C, in order to finance the purchase of a 3.88 acre turkey building site located 10 miles north of Olivia, MN, Co. Hwy. 44 affronts property; Section 32, T-117-N Lake Lillian Plat, Kandiyohi County, Minnesota on behalf of Jeff and Nancy Anderson, (the Borrower/s).

The maximum aggregate face amount of the proposed bond issue is \$144,000.00. The revenue bond will be a limited obligation of the Authority, payable solely from the revenue pledged to the payment thereof. No holder of such revenue bond will ever have the right to compel any exercise of the taxing power of the State of Minnesota to pay the bond or the interest thereon, nor to enforce payment against any property of the Authority or the State of Minnesota, except the revenues specifically pledged to the payment thereof. Before issuing the revenue bond, the Authority will enter into an agreement with the Borrower whereby the Borrower will be obligated to make payments at least sufficient at all times to pay the principal of and interest on such revenue bond when due.

All persons interested may appear and be heard at the time and place set forth above, or may file written comments with the Executive Director of the Authority prior to the date of the hearing set forth above.

Dated: November 7, 2007

Jim Boerboom, RFA Director
Department of Agriculture

Department of Agriculture Pesticide and Fertilizer Management Division Request for Comment on Proposed Voluntary Best Management Practices for Nitrogen Fertilizer Use

NOTICE IS HEREBY GIVEN that the State Department of Agriculture is requesting comments on the revised Voluntary Best Management Practices (BMPs) for Nitrogen Fertilizer Use. The original statewide and regional BMPs were first adopted in 1991, and nitrogen BMPs for irrigated potatoes were developed and adopted in 1996. The adoption of Best Management Practices is authorized by Minnesota Statutes, section 103H.151 which requires the commissioner of agriculture to take action necessary to prevent contamination of water resources from nitrogen fertilizer use. For a complete set of the proposed BMPs, please go to the following website:

<http://www.mda.state.mn.us/protecting/bmps/default.htm>

To request a copy of the proposed BMPs or for further information, contact:

Bruce Montgomery, Unit Supervisor,
Fertilizer Management Unit
Minnesota Department of Agriculture
Pesticide and Fertilizer Management Division
Orville L. Freeman Office
625 Robert Street, St. Paul, MN
Phone: (651) 201-6178
Fax: (651) 201-6117
E-mail: *Bruce.Montgomery@state.mn.us*

Comments must be made in writing and received at the above address or email address by 4:30 PM on December 12, 2007. Comment is highly encouraged. TTY users may contact the Department of Agriculture through Minnesota Relay Service at 800/627-3529. Upon request, this document can be made available in an alternative format, such as large print, Braille, or cassette tape. To make such a request, please contact the agency contact person at the address or telephone number listed above.

Minnesota State Agricultural Society (Minnesota STATE FAIR) State Fair Board of Managers to Meet November 9, 2007

Minnesota State Fairgrounds - The Minnesota State Agricultural Society board of managers will meet at 9:00 a.m. Friday, November 9, 2007 at the Libby Conference Center on the State Fairgrounds. The session opens with a meeting of the board's sales committee. Planning and general business meetings will follow. The Society is the governing body of the Minnesota State Fair. Agendas are available upon request by calling the Minnesota State Fair at (651) 288-4400.

The 2008 Minnesota State Fair runs August 21 through Labor Day, Sept. 1.

Minnesota Board of Animal Health Notice of Quarterly Meeting December 12, 2007

The Minnesota Board of Animal Health will hold its quarterly meeting on Wednesday, December 12, 2007 at the Ben Pomeroy Student - Alumni Learning Center, 1964 Fitch Ave., St. Paul, MN 55108, at 9:30 a.m.

Official Notices

Department of Labor and Industry Labor Standards Unit

Notice of Additional Rate to Highway/Heavy Prevailing Wage Rates Notice of Correction to Highway/Heavy Prevailing Wage Rate

Future rate changes have been added to the Highway/Heavy Prevailing Wage Rates certified 10/22/07 for all 10 Regions as follows;

- Region 1 – Labor Codes 101, 102, 104, 105, 106, 107, 108, 109
- Region 2 – Labor Codes 101, 102, 105, 106, 107, 108, 109
- Region 3 – Labor Codes 101, 102, 105, 106, 108, 109
- Region 4 – Labor Codes 101, 102, 108, 109
- Region 5 – Labor Codes 101, 102, 105, 107, 109
- Region 6 – Labor Codes 101, 102, 107, 109
- Region 7 – Labor Codes 101, 102, 107, 108
- Region 8 – Labor Codes 101, 102, 105, 106, 107, 108, 109
- Region 9 – Labor Codes 101, 102, 104, 105, 106, 107, 108, 109
- Region 10 – Labor Codes 101, 102, 107, 109

A correction has been made to the Highway/Heavy Prevailing Wage Rates certified 10/22/07, for Labor Code 103, Labor Landscaping, in Regions 5 and 9

Copies may be obtained by writing the Minnesota Department of Labor and Industry, Prevailing Wage Section, 443 Lafayette Road North, St. Paul, Minnesota 55155-4306, or by calling (651) 284-5091, or accessing our web site at www.doli.state.mn.us. Charges for the cost of copying and mailing are \$.25 per page for the first 100 pages, \$.65 per page after that. Make check or money order payable to the State of Minnesota.

Steve Sviggum Commissioner
Department of Labor and Industry

Minnesota Department of Natural Resources Notice of Proposed Classification of State Forest Lands and Forest Road/Trail Designations in Clearwater, Hubbard, and Southwest Beltrami Counties with Respect to Motor Vehicle Use

NOTICE IS HEREBY GIVEN that the Commissioner of the Minnesota Department of Natural Resources proposes to classify state forest lands in Clearwater, Hubbard, and Southwest Beltrami Counties with respect to the operation of motor vehicles. The proposal is to classify a portion of state forest lands under the authority of the Commissioner that are located in Clearwater, Hubbard, and Southwest Beltrami Counties to one of the following classes:

1. "Limited" in which forest roads are open to motor vehicle use unless posted closed and forest trails are closed to motor vehicle use unless posted open, or
2. "Closed" in which forest roads are open to motor vehicles licensed for highway use. No OHVs are permitted, except that OHVs may operate on frozen public waters. Snowmobiles may operate on designated trails.

Minnesota Laws 2003, Chapter 128, Article 1, Section 167 as amended and *Minnesota Rules* Chapter 6100.1950 govern the classification of state forest with respect to motor vehicle use.

This proposal covers the Mississippi Headwaters State Forest that is located in Clearwater, Hubbard, and Southwest Beltrami Counties, and scattered forest lands under the authority of the Commissioner located *OUTSIDE* of State Forest boundaries in Southwest

Official Notices

Beltrami County. In total, just less than 11,500 acres of state forest land, and about 44.5 miles of roads, trails, and non-designated routes were evaluated with respect to motor vehicle use. In conjunction with the proposed classification, the DNR has developed a road and trail designation proposal that identifies: 1) routes on state forest lands that will be open to motorized vehicle use; 2) routes to be designated as non-motorized trails; and 3) Areas with Limitations on Off-trail and Non-designated Trail Use.

The DNR will hold **ONE** public meeting on this proposal.

The meeting will be held on Wednesday, January 16, 2008 from 6:00 to 8:30 p.m. at the Beaux Arts Ballroom, Hobson Memorial Union, Bemidji State University, 1500 Birchmont Drive, MN 56601. DNR's Planning Team and Area Staff familiar with the Mississippi Headwaters State Forest, and scattered state forest lands in the planning unit, will be attending. Staff from Beltrami, Clearwater, and Hubbard County Land Departments will also be present.

The first hour of each meeting will allow attendees to informally review the draft plan, maps, and other summary materials. DNR and other cooperating government agencies will be on hand to answer questions regarding motorized access planning in terms of forest classification and proposed forest road and trail designations for public forest lands in these counties. During the remainder of the meeting, DNR staff will present information, respond to questions, and receive public comments on the proposals. Written comments will also be accepted. Comment will also be accepted for routes proposed on county-administered tax-forfeit forest lands inside the state forest statutory boundary.

The classification proposal, draft road and trail designation plan, and related maps are available on the DNR website at www.dnr.state.mn.us. Copies of the documentation can also be obtained from:

Bill Johnson, Planner
Minnesota Department of Natural Resources
500 Lafayette Road, Box 52
St. Paul, MN 55155-4052
Phone: (651) 259-5643
E-mail: bill.johnson@dnr.state.mn.us

Written comments on the proposal can also be submitted to the above address until 4:30 p.m. on January 23, 2008.

Laurie H. Martinson, Deputy Commissioner
Minnesota Department of Natural Resources

Department of Public Safety Bureau of Criminal Apprehension Notice of Information Meeting December 13, 2007

The Minnesota Bureau of Criminal Apprehension will hold a meeting from 9 a.m. to 12 noon on Thursday, Dec. 13, 2007 to discuss progress on several BCA (CJIS and CriMNet) initiatives regarding criminal justice information sharing in the state of Minnesota. General updates will be provided regarding a number of ongoing activities and projects underway, as well as upcoming efforts.

The meeting will take place at the Bureau of Criminal Apprehension offices at 1430 Maryland Ave. E. in St. Paul. In addition, up to 30 people may be able to participate via webconference. To make arrangements to participate remotely, please contact Michelle Fure at the information listed below.

Vendors, particularly those working with local agencies to manage records, and agency information technology staff are encouraged to attend this meeting. Please RSVP.

For more information or to RSVP, contact Michelle Fure, Information Officer, at (651) 201-7572 or michelle.fure@state.mn.us.

State Grants & Loans

In addition to requests by state agencies for technical/professional services (published in the State Contracts Section), the *State Register* also publishes notices about grants and loans available through any agency or branch of state government. Although some grant and loan programs specifically require printing in a statewide publication such as the *State Register*, there is no requirement for publication in the *State Register* itself. Agencies are encouraged to publish grant and loan notices, and to provide financial estimates as well as sufficient time for interested parties to respond.

Bidding Help

The person listed as the contact for each agency is the one you want to connect with. They give you all the information you need.

Obtain MORE and FASTER information with a SUBSCRIPTION to the *State Register*. Subscribe and receive LINKS to the *State Register*. Open the *State Register* and click on Bookmarks in the upper right corner. You will also receive ALL the current rules, with an INDEX, and previous years' indices. You also receive a summarized "Contracts & Grants" section to review. Subscriptions cost \$180 a year (an \$80 savings). Here's what you receive via e-mail:

- **Word Search Capability**
- **LINKS, LINKS, LINKS**
- **Easy Access to *State Register* Archives**
- **Updates to Index to Vol. 31**
- **"Contracts & Grants" Open for Bid**
- **Early delivery, on Friday**
- **E-mailed to you . . . its so easy**
- **Indexes to Vols. 31, 30, 29, 28 and 27**

It's all E-mailed to you, at end-of-day on Friday, instead of waiting for the non-subscriber's issue released on Monday. Contact Cathy Hoekstra, our subscriptions manager, at (651) 297-8777, or **Fax:** (651) 297-8260, or **E-mail:** cathy.hoekstra@state.mn.us

Minnesota Department of Health Office of Rural Health and Primary Care Minnesota Rural Flex Grant Program Notice of Grant Availability

The Office of Rural Health and Primary Care, Minnesota Department of Health, is seeking grant applications from eligible organizations for the Minnesota Rural Flex Grant Program. Activities that promote regionalization of health care services, improve access to quality health care services, and provide for the development and/or enhancement of rural health networks are eligible under this grant program.

Eligible applicants for Flex grant funds are: Critical Access Hospitals, rural hospitals with 50 or fewer beds, rural health networks (applicants must be nonprofit or local government entities), and rural EMS organizations. Appropriate activities include:

- Establishing community and regional collaboration or networking partnerships
- Assessing and implementing health system needs and improvements such as:
 - mental health services integration; disparities in access or outcome; healthy aging interventions; discharge planning or other continuum of care projects; workforce projects; new services; or establishing a Rural Health Clinic or a Federally Qualified Health Center
- Strengthening and integrating local EMS systems, especially through efforts targeted at recruitment/retention, reimbursement and restructuring.
 - Undertaking quality improvement initiatives
 - Developing performance improvement initiatives
 - Proposing community development efforts such as implementing Rural Health Works.

The total amount available for flex grants is \$190,000. The maximum for any grant is \$25,000. All applications must be received by December 14, 2007. Applications are available on the Office of Rural Health and Primary Care Web site at

<http://www.health.state.mn.us/divs/orhpc/funding/>.

Prospective applicants who have questions or would like a hard copy of the application guidelines should contact:

Judy Bergh
Office of Rural Health and Primary Care
Minnesota Department of Health
Phone: (651) 201-3843
E-mail: judith.bergh@health.state.mn.us

By mail: P.O. Box 64882, St. Paul, Minnesota 55164-0882

By courier: 85 E. Seventh Place, Suite 220, St. Paul, Minnesota 55101

Department of Human Services Chemical Health Division Notice of Request For Proposals to Provide Health Care for Chronic Chemically Dependent and Homeless Persons

NOTICE IS HEREBY GIVEN that The Minnesota Department of Human Services Chemical Health Division is seeking proposals from qualified responders to provide chronic chemically dependent and homeless persons, chemical health services to address issues of accessibility and availability, treatment support and healthcare, and/or recovery maintenance services for chronic chemically dependent and homeless persons. Co-occurring Disorders (MI/CD) programming will not be a priority service to be funded under these funds, but proposals must include a strong referral services system for mental health needs.

Objective: The objective of this request for proposals is to respond to the current and projected demographic changes in the State of Minnesota and to enhance the Chemical Health system to meet the changing needs of its diverse communities. The Department of Human Services - Chemical Health Division is working to address long-standing disparities in the availability and quality of chemical health services for the chronic chemically dependent and homeless people of diverse racial, ethnic and linguistically challenged populations, with consideration toward gender, sexual orientation, and disability or special needs of individuals.

Services will be developed and provided in a culturally friendly and appropriate manner with the goal of filling gaps in the chemical health service system and producing positive recovery outcomes. The objective of this RFP is to contract with qualified responders to perform the tasks and services set forth in this RFP for projects funded through this RFP.

Funds available: A total of \$800,000 is available annually from the Federal Substance Abuse Prevention and Treatment Block Grant.

Eligible applicants: Counties, Tribes and non-profit organizations.

Note: Services mandated under 256E (primarily detox and chemical use assessment) or funded under 254B (the Consolidated Chemical Dependency Treatment Fund) are not appropriate for projects funded through this RFP.

A complete Request for Proposal and application can be obtained from:

Tina Austin
DHS/Chemical Health Division
Elmer Andersen Building
540 Cedar Street
P.O. Box 64977
St. Paul, MN 55164-0977
Phone: (651) 431-4928
E-mail: tina.austin@state.mn.us

The deadline for receipt of proposals is January 4th 2008, 4:00 pm Central Standard time.

State Grants & Loans

Minnesota Department of Human Services

Deaf and Hard of Hearing Services Division

Request For Proposal (RFP) to Develop and Provide Training on How to Effectively Serve Individuals with a Dual Sensory Disability of Hearing and Vision Loss

The Minnesota Department of Human Services (DHS), through its Deaf and Hard of Hearing Services Division (DHHSD), is seeking Proposals from qualified Responders to provide training opportunities to: 1) teach counties how to use existing programs to meet the needs of individuals with a dual hearing and vision loss, and 2) build capacity of programs serving senior citizens to meet the needs of those seniors with a dual hearing and vision loss. The Department expects to accomplish this by providing workshops, seminars, web-based training, videoconferences, information toolkits and/or other educational opportunities to targeted audiences. All projects proposed must include performance indicators that will demonstrate an increase in the capacity of existing services to meet the needs of consumers with both hearing and vision loss and an increase in the number of consumers who receive services from federally funded county programs.

Eligible applicants include community-based agencies, organizations, and individuals. Contract(s) awarded as a result of this RFP process are expected to begin in mid- to late February 2008 and continue through June 20, 2009, with options for renewal through fiscal year 2012. For the remainder of the current state fiscal year 2008, \$67,500 is available. For state fiscal year 2009 and each year thereafter, \$105,000 is available per year.

To request a full text of the RFP please contact:

Jan Radatz
Deaf and Hard of Hearing Services Division
Minnesota Department of Human Services
P.O. Box 64969
St. Paul, MN 55164-0969
(651) 431-2361/voice or 1-888-206-6501 TTY
Email: jan.radatz@state.mn.us

The proposal due date is January 4, 2008, 4:00 p.m. Central Time. Late proposals will not be considered. Faxed or email proposals will not be considered. This request does not obligate the State to complete the work contemplated in this notice or spend the estimated dollar amount. The State reserves the right to cancel this solicitation.

Other department personnel are NOT allowed to discuss this RFP with anyone, including responders, before the proposal submission deadline.

State Contracts

Informal Solicitations: Informal solicitations for professional/technical (consultant) contracts valued at over \$5,000 through \$50,000, may either be published in the *State Register* or posted on the Department of Administration, Materials Management Division's (MMD) Web site. Interested vendors are encouraged to monitor the P/T Contract Section of the MMD Web site at www.mmd.admin.state.mn.us for informal solicitation announcements.

Formal Solicitations: Department of Administration procedures require that formal solicitations (announcements for contracts with an estimated value over \$50,000) for professional/technical contracts must be published in the *State Register*. Certain quasi-state agency and Minnesota State College and University institutions are exempt from these requirements.

Requirements: There are no statutes or rules requiring contracts to be advertised for any specific length of time, but the Materials Management Division strongly recommends meeting the following requirements:

\$0 - \$5000 does not need to be advertised. Contact the Materials Management Division: (651) 296-2600
\$5,000 - \$25,000 should be advertised in the *State Register* for a period of at least seven calendar days;
\$25,000 - \$50,000 should be advertised in the *State Register* for a period of at least 14 calendar days; and
anything above \$50,000 should be advertised in the *State Register* for a minimum of at least 21 calendar days

Bidding Assistance for Contracts

Obtain MORE and FASTER information with a SUBSCRIPTION to the *State Register*. Subscribe and receive LINKS to the *State Register*. Open the *State Register* and click on Bookmarks in the upper right corner. You will also receive ALL the current rules, with an INDEX, and previous years' indices. You also receive a summarized "Contracts & Grants" section to review. Subscriptions cost \$180 a year (an \$80 savings). Here's what you receive via e-mail:

- Word Search Capability
- LINKS, LINKS, LINKS
- Easy Access to *State Register* Archives
- Updates to Index to Vol. 31
- "Contracts & Grants" Open for Bid
- Early delivery, on Friday
- E-mailed to you . . . its so easy
- Indexes to Vols. 31, 30, 29, 28 and 27

It's all E-mailed to you, at end-of-day on Friday, instead of waiting for the non-subscriber's issue released on Monday. Contact Cathy Hoekstra, our subscriptions manager, at (651) 297-8777, or **Fax:** (651) 297-8260, or **E-mail:** cathy.hoekstra@state.mn.us

Minnesota State Colleges and Universities (MnSCU)

Metropolitan State University

Request for Proposals for Delivered Catering Services

NOTICE IS HEREBY GIVEN that proposals are being solicited from qualified vendors to provide delivered catering services for the Minnesota State Colleges and Universities, Metropolitan State University located at the Saint Paul Campus at 700 East Seventh Street, Saint Paul, MN and Midway Campus at 1450 Energy Park Drive and 1380 Energy Lane, Saint Paul, MN. The anticipated contract period is for three years commencing January 16, 2008.

Vendors must have evidence of successful experience in catering and have the ability to provide quality service and wholesome food at moderate prices.

A complete copy of the Request for Proposal can be found on the Minnesota State College and Universities Finance Division web site, www.finance.mnscu.edu. For further information please contact:

Dave Peasley, Purchasing Coordinator
Metropolitan State University
700 East Seventh Street
Suite 329
Saint Paul, MN 55106
Phone: (651) 793-1894
Fax: (651) 793-1877
E-mail: dave.peasley@metrostate.edu

State Contracts

Responses are due no later than 2:00 p.m. Central Time on November 27, 2007.

This request for proposal does not obligate the State to complete the proposed project, and the State reserves the right to cancel the solicitation if it is considered to be in its best interest. All expenses incurred to this notice are solely the responsibility of the responder.

Minnesota State Colleges and Universities (MnSCU) Winona State University Advertisement for Request for Proposal for Architectural/Engineering Services for 2010 Residence Hall

The purpose of this Request for Proposal (RFP) is to evaluate and select a design team using a qualifications-based selection process for the design of the Residence Hall Project located at Winona State University, in Winona, Minnesota. The design team shall work with the University, the Office of the Chancellor Facilities Unit and local officials to complete the design on behalf of MnSCU to assure that the Project is designed and constructed in accordance with the MnSCU Design Standards and meets the Project requirements.

The Project scope of work consists of the design and construction of the Residence Hall including approximately 400 beds in approximately 127,000 gross square feet to house student residence units, hall director office, central housing administration offices, reception/control desk, support spaces, landscaped exterior areas and related work. Major elements include:

- The residence hall will contain approximately 400 beds in a mix of semi-suite double and single units. Units will have two sleeping rooms with one compartment style bath. Selected units shall be designed as barrier-free. A minimum of 20 such units will be included in the residence hall design, with the final number dependent upon the actual design of the building.
- The residence hall will contain amenities such as common lounge areas with kitchenettes, laundry, study areas and mailroom. Support facilities will include trash/recycling rooms, receiving/loading dock, mechanical, electrical and telecommunications equipment rooms.
- Residential areas will conceptually include four floors of housing.
- The building form should present opportunities for outdoor amenity spaces, courtyards, recreation spaces and green space.
- New Construction shall include:
 - o Complete fire protection sprinkler systems
 - o Efficient HVAC systems to optimize indoor air quality and ventilation
 - o Air conditioning
 - o DDC temperature controls
 - o Addressable fire detection and alarm systems
 - o State-of-the-art telecommunications systems
 - o Security systems

A **Pre-Proposal Project Information meeting for all prime firms** has been scheduled for **1:00 p.m. on Monday, November 5, 2007**, at the Facilities Services Conference Room #202 in the Facilities Services Building, 175 West Mark Street, on Winona State University campus in Winona, Minnesota.

Proposals shall be submitted in a sealed envelope labeled "Proposal: 2010 Residence Hall" and must be received by **1:00 p.m. Thursday, November 29, 2007**, at: Steve Ronkowski, Facilities Coordinator, Winona State University, Facilities Conference Room 202, 175 West Mark Street, Winona, Minnesota 55987.

Proposals received after this time and date will be rejected and returned unopened. Proposals may be delivered in person, by U.S. Mail or by other couriers. Faxed or electronic mail proposals are not acceptable.

Project Schedule

Request for Proposal Release Date:	Monday, October 29, 2007
Project Information Meeting:	Monday, November 5, 2007
RFP Response Submission Deadline:	Thursday, November 29, 2007, 1:00 p.m.
Notification for Interviews:	Monday, December 17, 2007
Interviews of Short-listed Finalists:	Thursday, January 3, 2007
Anticipated Contract Award Date:	Tuesday, January 15, 2008

Project Pre-Design Information

A Predesign Report was prepared by the ESG in September 2007 and is available for review at the MnSCU Facilities website, (www.finance.mnscu.edu/facilities/).

Project Contact

Questions concerning the Project should be referred to:

Steve Ronkowski
Facilities Coordinator
Winona State University
Winona, Minnesota 55987
Phone: (507) 457-5099
Fax: (507) 457-2624
E-mail: sronkowski@winona.edu

Minnesota State Colleges and Universities (MnSCU) Winona State University Request for Bids for Extreme Data Network Hardware and Software Ethernet Switches

NOTICE IS HEREBY GIVEN that Winona State University is seeking bids for Extreme data network hardware and software Ethernet switches for Maxwell Hall.

Bid specification will be available November 13, 2007 by contacting the Purchasing Department at P.O. Box 5838, 205 Somsen Hall, Winona, MN, e-mail sschmitt@winona.edu or by calling (507) 457-5067.

Sealed bids must be received by Sandra Schmitt at P.O. Box 5838, or 205G Somsen Hall, Business Office, Winona State University, Winona, MN 55987 by 3:00 P.M. Thursday, November 29, 2007.

Winona State University reserves the right to reject any or all bids to waive any irregularities or informalities in bids received.

Minnesota State Colleges and Universities (MnSCU) Winona State University Request for Bids for Equipment, Software and Installation for an AVST Voice Mail System

NOTICE IS HEREBY GIVEN that Winona State University is seeking bids for equipment, software and installation for an AVST voice mail system.

Bid specification will be available November 13, 2007 by contacting the Purchasing Department at PO Box 5838, 205 Somsen Hall, Winona, MN 55987, e-mail sschmitt@winona.edu or by calling (507) 457-5067.

State Contracts

Sealed bids must be received by Sandra Schmitt at PO Box 5838, or 205G Somsen Hall, Business Office, Winona State University, Winona, MN 55987 by 3:00 PM Thursday, November 29, 2007.

Winona State University reserves the right to reject any or all bids and to waive any irregularities or informalities in bids received.

Minnesota Department of Corrections Notice of Request for Proposals (RFP) to Conduct an Evaluation of the High-Risk Adult Demonstration Project

The Department of Corrections (DOC) is seeking proposals to evaluate the High-Risk Adult Demonstration Project, as established by Minnesota Session Laws 2007, Chapter 54, Article 1, Section 19. The Demonstration Project is designed to serve high-risk adults in the Twin Cities metropolitan area by providing and/or arranging access to services related to housing, employment, behavioral health, health care, and community and family re-engagement. Eligible project participants will be adults who have a history of some combination of substance abuse, mental illness, chronic unemployment, incarceration, or homelessness. As specified in the aforementioned statute, the evaluation must be developed and implemented concurrently with the demonstration project. The goal of this contract will be to evaluate the effectiveness of the High-Risk Adult Demonstration Project by examining the extent to which services were delivered to project participants and whether these services had an impact on outcome measures such as housing, employment, participation in treatment programs, and criminal activity. The contract period is January 1, 2008 – June 30, 2009.

The full RFP will be sent free-of-charge in response to written, e-mailed, or faxed requests to the contact person listed below. Proposals must be submitted to the DOC contact person. Other personnel are NOT allowed to discuss the RFP with anyone, including responders, before the proposal submission deadline. Proposals must be received by the contact person listed below no later than December 4, 2007, 2:30 p.m. central time.

Grant Duwe, Ph.D.
Research and Evaluation Supervisor
Department of Corrections
1450 Energy Park Drive Suite 200
St. Paul, Minnesota 55108-5219
Phone: (651) 361-7377
Fax: (651) 603-6768
E-mail: *Gduwe@co.doc.state.mn.us*

Minnesota Office of Higher Education Request for Proposals to Provide Spanish Translation Services for its Get Ready/GEAR UP Program

The Minnesota Office of Higher Education is requesting proposals from qualified professionals to provide translation services for its early college awareness and planning program, Get Ready/GEAR UP, which works with elementary, middle and high school students. The target audience for the translated materials is low income students and their parents who have little or no experience with post-secondary education. Proposals must be submitted **no later than November 30, 2007**.

The Request for Proposals (RFP) does not obligate the Office of Higher Education to complete this project, and the Office reserves the right to cancel the solicitation if it is considered to be in its best interest.

The total cost of this proposal is not to exceed \$25,000 for the calendar year, January 1, 2008-December 31, 2008.

Copies of the complete RFP are available from:

Get Ready/GEAR UP Program
Attn.: Program Assistant
Minnesota Office of Higher Education
1450 Energy Park Drive, Suite 350
St. Paul, MN 55108-5227
Phone: (651) 259-3918
E-mail: <http://www.ohe.state.mn.us>

Minnesota Historical Society

Notice of Request for Proposals for a Reuse Study and Plan for Cavalry Barracks, Cavalry Stable, and Ordnance Building in the Historic Fort Snelling Complex, 200 Tower Avenue, St. Paul, Minnesota 55111

The Minnesota Historical Society is seeking proposals from qualified firms to conduct a Reuse Study and Plan for four buildings adjacent to the Visitor Center at Historic Fort Snelling. This study is part of a larger project that is being planned to replace the current visitor center, preserve historic buildings, and redesign the landscape.

The project period will run from December, 2007 through March 15, 2008.

The Request for Proposals is available from Mary Green-Toussaint, Purchasing Coordinator, Minnesota Historical Society, 345 Kellogg Boulevard West, St. Paul, Minnesota 55102. Telephone: (651) 259-3175; e-mail: mary.green-toussaint@mnhs.org.

There will be a MANDATORY pre-proposal meeting for all interested parties on Tuesday, November 20, 2007, at 10:00 a.m. Local Time at the Site.

All proposals are due no later than 2:00 P.M. Local Time, Thursday, December 6, 2007. A public bid opening will be conducted at that time. Late proposals will not be considered.

Dated: November 13, 2007

Department of Human Services

Child Support Enforcement Division

Notice of Availability of Contract to Provide Analysis of Child Support Service Delivery Model

The Minnesota Department of Human Services (DHS), through its Child Support Enforcement Division (State) is seeking Proposals from qualified Responders to assess the structural effectiveness, efficiency, and viability of the child support program in Minnesota and, if necessary, propose one or more models that would allow the state to manage the most cost effective program and still maintain the state's high level of performance for children and meet all federal requirements..

Work is proposed to start in April 2008.

A Request for Proposals will be available by e-mail (PDF) from this office through December 27, 2008. **A request (by direct mail or e-mail) is required to receive the Request for Proposal.**

State Contracts

The Request for Proposal can be obtained from:

Jill Roberts
Child Support Enforcement Division
444 Lafayette Rd. N.
St. Paul MN, 55155-0946
Phone: (651) 431-4464
E-mail: *Jill.C.Roberts@state.mn.us*

Proposals submitted in response to the Request for Proposals in this advertisement must be received at the address above no later than December 28, 2007 at 3:00 p.m. CST. **Late proposals will not be considered.** Fax proposals will not be considered.

This request does not obligate the State to complete the work contemplated in this notice. The State reserves the right to cancel this solicitation. All expenses incurred in responding to this notice are solely the responsibility of the responder.

Department of Human Services State Operated Services Notice of Availability of Contract for Supplemental Nursing Staff

The Minnesota Department of Human Services – State Operated Services is requesting proposals for qualified vendors to provide experienced psychiatric Registered Nurses, Licensed Practical Nurses, Advanced Practice Registered Nurses, Occupational Therapists, Certified Occupational Therapist Assistants and Licensed Social Workers as needed to work within our Community Behavioral Health Hospitals, Regional Treatment Centers, Forensic Services, and any other State Operated Services Specialty Programs/Services located throughout the State of Minnesota. The State anticipates awarding multiple contracts as a result of this solicitation.

Work is proposed to start after January 1, 2008.

A Request for Proposals will be available by mail from this office. **A written request (by direct mail or fax) is required to receive the Request for Proposal.** After November 27, 2007, the Request for Proposal must be picked up in person.

The Request for Proposal can be obtained from:

Mary Sweep
Department of Human Services
State Operated Services Support Division
1801 Technology Drive NE
Willmar, MN 56201
Phone: (320) 231-7048, ext. 3
Fax: (320) 231-7049
E-mail: *mary.sweep@state.mn.us*

Proposals submitted in response to the Request for Proposals in this advertisement must be received at the address above no later than December 4, 2007. **Late proposals will not be considered.** Fax or e-mailed proposals will **not** be considered.

This request does not obligate the State to complete the work contemplated in this notice. The State reserves the right to cancel this solicitation. All expenses incurred in responding to this notice are solely the responsibility of the responder.

Department of Transportation (Mn/DOT) Engineering Services Division Notice of Potential Availability of Contracting Opportunities for a Variety of Highway Related Technical Activities (“Consultant Pre-Qualification Program”)

This document is available in alternative formats for persons with disabilities by calling Brad Hamilton at (651) 366-4626 for persons who are hearing or speech impaired by calling Minnesota Relay Service at (800) 627-3529.

Mn/DOT, worked in conjunction with the Consultant Reform Committee, the American Council of Engineering Companies of Minnesota (ACEC/MN), and the Department of Administration, to develop the Consultant Pre-Qualification Program as a new method of consultant selection. The ultimate goal of the Pre-Qualification Program is to streamline the process of contracting for highway related professional/technical services. Mn/DOT awards most of its consultant contracts for highway-related technical activities using this method, however, Mn/DOT also reserves the right to use Request for Proposal (RFP) or other selection processes for particular projects. Nothing in this solicitation requires Mn/DOT to use the Consultant Pre-Qualification Program.

Mn/DOT is currently requesting applications from consultants. Refer to Mn/DOT’s Consultant Services web site, indicated below, to see which highway related professional/technical services are available for application. Applications are accepted on a continual basis. All expenses incurred in responding to this notice will be borne by the responder. Response to this notice becomes public information under the Minnesota Government Data Practices.

Consultant Pre-Qualification Program information, application requirements and applications forms are available on Mn/DOT’s Consultant Services web site at: <http://www.dot.state.mn.us/consult>.

Send completed application material to:

Brad Hamilton
Consultant Services
Office of Technical Support
Minnesota Department of Transportation
395 John Ireland Blvd. Mail Stop 680
St. Paul Minnesota 55155

Note: DUE DATE: APPLICATION MATERIAL WILL BE ACCEPTED ON A CONTINUAL BASIS.

Department of Transportation (Mn/DOT) Engineering Services Division Notice Concerning Professional/Technical Contract Opportunities

NOTICE TO ALL: The Minnesota Department of Transportation (Mn/DOT) is now placing additional public notices for professional/technical contract opportunities on Mn/DOT’s Consultant Services **website** at: www.dot.state.mn.us/consult.

New public notices may be added to the website on a daily basis and be available for the time period as indicated within the public notice.

Non-State Bids, Contracts & Grants

The *State Register* also serves as a central marketplace for contracts let out on bid by the public sector. The *State Register* meets state and federal guidelines for statewide circulation of public notices. Any tax-supported institution or government jurisdiction may advertise contracts and requests for proposals from the private sector. It is recommended that contracts and RFPs include the following: 1) name of contact person; 2) institution name, address, and telephone number; 3) brief description of commodity, project or tasks; 4) cost estimate; and 5) final submission date of completed contract proposal. Allow at least three weeks from publication date (four weeks from the date article is submitted for publication). Surveys show that subscribers are interested in hearing about contracts for estimates as low as \$1,000. Contact editor for further details.

City of Saint Cloud, MN

Notice of Request for Proposals (RFP) for Engineering and Planning Consulting Services for the University Drive Corridor from 5th Avenue South to Trunk Highway 10

NOTICE IS HEREBY GIVEN that the City of Saint Cloud, MN is requesting proposals to complete alternative scoping, state/federal review and official mapping for the University Drive corridor from 5th Avenue South to Trunk Highway 10.

The goal of this project is that a scoping process, Environmental Assessment/Environmental Assessment Worksheet and preliminary design be completed to evaluate alternatives for the existing University Drive: 5th Avenue to Trunk Highway 10 as mandated by National Environmental Policy Act (NEPA) and the Minnesota Environmental Policy Act (MEPA) guidance. An official map will be surveyed and filed to assist in protecting the preferred alternative from development.

The following is the anticipated solicitation schedule:

Issue Request for Proposals	November 12th, 2007
Receive Proposals	4:00 PM, Monday, Dec. 10th, 2007
Award of Contract	January 2008

All firms interested in receiving a RFP may contact:

Ms. Mary O'Brien
St. Cloud Area Planning Organization
1040 County Road 4
St. Cloud, Minnesota 56303
Phone: (320) 252-7568
E-mail: obrien@stcloudapo.org

An electronic copy of the RFP can also be obtain on the St. Cloud Area Planning Organization website (www.stcloudapo.org)

Metropolitan Council

Notice of Invitation for Bids (IFB) for the Purchase of a Closed-Circuit Television Inspection Vehicle Reference Number 06P160

The Metropolitan Council is requesting bids for the purchase of a Closed-Circuit Television Inspection Vehicle.

Issue Invitation for Bids	November 5, 2007
Bids Due	November 21, 2007
Award Contract	January 2008

All firms interested in submitting bids for this contract and desiring to receive an IFB package are invited to make a request by e-mail, fax, mail or phone to:

Non-State Bids, Contracts & Grants

Sunny Jo Emerson, Senior Administrative Assistant
Contracts and Procurement Unit
Metropolitan Council
390 Robert Street North
St. Paul, MN 55101 -1801
Phone: (651) 602-1499
Fax: (651) 602-1083
E-mail: *sunnyjo.emerson@metc.state.mn.us*

Metropolitan Council

Notice of Invitation for Bids (IFB) for the Rental of Two 2 MW Generators for Standby Power at the Effluent Pumping Station at the Metropolitan Wastewater Treatment Plant from March through May of 2008

Reference Number 06P159

The Metropolitan Council is requesting bids for the MWWTP Effluent Pumping Generator Rental.

Issue Invitation for Bids	November 5, 2007
Pre-Bid Meeting	November 14, 2007
Bids Due	November 29, 2007
Award Contract	January 2008

All firms interested in submitting bids for this contract and desiring to receive an IFB package are invited to make a request by e-mail, fax, mail or phone to:

Sunny Jo Emerson, Senior Administrative Assistant
Contracts and Procurement Unit
Metropolitan Council
390 Robert Street North
St. Paul, MN 55101 -1801
Phone: (651) 602-1499
Fax: (651) 602-1083
E-mail: *sunnyjo.emerson@metc.state.mn.us*

Metropolitan Council

Notice of Invitation for Bids (IFB) for Uniform Rental Services

Reference Number 07P131

The Metropolitan Council is requesting bids for Uniform Rental Services for its Environmental Services Division.

Issue Invitation for Bids	November 6, 2007
Bids Due	December 10, 2007, at 3:00 pm local time
Award Contract	January 2008

All firms interested in submitting bids for this contract and desiring to receive an IFB package are invited to make a written request either by e-mail, fax or mail or phone request to:

Miriam Lopez-Rieth
Metropolitan Council
390 N. Robert Street
St. Paul, MN 55101

Non-State Bids, Contracts & Grants

Phone: (651) 602-1095
Fax: (651) 602-1083
E-mail: *Miriam.Lopez-Rieth@metc.state.mn.us*

Metropolitan Council - Metro Transit Invitation for Bids for Elevated Tactical Surveillance Platform Procurement #7593

Metro Transit, a division of the Metropolitan Council, is seeking sealed bids for an elevated tactical surveillance platform for use by the Metropolitan Transit Police Department.

Bids are due by 2:00 p.m. on November 14, 2007.

Firms interested in receiving an Invitation for Bids document should contact:

Candace Osiecki
Metro Transit Purchasing
515 N. Cleveland Avenue
St. Paul, MN 55114
Phone: (612) 349-5070
Fax: (612) 349-5069
E-mail: *Candace.Osiecki@metc.state.mn.us*

Metropolitan Council - Metro Transit Sealed Bids Sought for Elevator/Escalator Maintenance Service Procurement No. 7594

Metro Transit, a division of the Metropolitan Council, is soliciting sealed bids for Elevator/Escalator Maintenance Service for its elevators and escalators at various locations in the metropolitan area. The contract term is three years.

Site visits will be conducted on Tuesday, November 13, 2007 starting at 1:00 PM.

Sealed bids are due by 2:00 PM on November 23, 2007.

Firms interested in receiving an Invitation for Bids document should contact:

Candace Osiecki
Metro Transit Purchasing
515 N. Cleveland Avenue
St. Paul, MN 55114
Phone: (612) 349-5070
Fax: (612) 349-5069
E-mail: *Candace.Osiecki@metc.state.mn.us*

Non-State Bids, Contracts & Grants

ServeMinnesota: National and Community Service Announcement of 2008-2009 AmeriCorps*State Request for Proposal

For more information and to download the application materials, visit: www.serveminnesota.org.

ServeMinnesota is an independent, non-profit organization charged with administering federal AmeriCorps*State grants in Minnesota. Since its inception in 1994, ServeMinnesota (formerly the Minnesota Commission on National and Community Service) has disseminated over forty million dollars in AmeriCorps funding to local and statewide public and nonprofit agencies that have created opportunities for thousands of AmeriCorps members to serve in Minnesota. ServeMinnesota provides AmeriCorps programs with training and ongoing technical assistance to support the development of high quality AmeriCorps programs.

Through this RFP, programs can apply to receive AmeriCorps grants. These grants pay for costs necessary to implement new or existing programs. The primary purpose of AmeriCorps funds is to support AmeriCorps members in service to their community. Applicants wishing to apply for an operating grant should follow the submission procedure outlined in the Application Instructions which can be found on the ServeMinnesota website at www.serveminnesota.org.

Application Deadline: Letter of Intent to Apply and Concept paper due by close of business December 17, 2007. Applications are due by close of business February 15, 2008. Funding decisions will be announced in June, 2008 for program year September 1, 2008 – August 31, 2009. For more information, please contact: Janet Johnson, Director of Programs, 612-333-7741, janet@serveminnesota.org

For information about AmeriCorps and national service, visit ServeMinnesota (www.serveminnesota.org) and the Corporation for National and Community Service (www.nationalservice.org).

ServeMinnesota, 431 South 7th Street, Suite 2540, Minneapolis, Minnesota 55415, (612) 333-7740, www.serveminnesota.org

University of Minnesota Subscribe to Bid Information Service (BIS)

The University of Minnesota offers 24 hour/day, 7day/week access to all Request for Bids/Proposals through its web-based Bid Information Service (BIS). Subscriptions to BIS are free. Visit our website at bidinfo.umn.edu or call the BIS Coordinator at (612) 625-5534.

Request for Bids/Proposals are also available to the public each business day from 8:00 a.m. to 4:30 p.m. in the Purchasing Services lobby, Suite 560, 1300 S. 2nd Street, Minneapolis, Minnesota 55454.

Washington County Public Works Transportation Department Request for Proposals for Engineering Services Broadway Avenue/County State Aid Highway (CSAH) 2 Reconstruction

NOTICE IS HEREBY GIVEN that Washington County Public Works, as the lead agency, is seeking qualified firms to provide preliminary design services for the reconstruction of Broadway Avenue (CSAH 2) from the existing interchange at Interstate 35 to the intersection at Trunk Highway (TH) 61 in the City of Forest Lake. Qualified firms will have experience in Planning, Traffic Studies and Forecasting, Public and Agency Involvement, Environmental Documentation and Layout Development and Analysis.

The project work will commence immediately upon selection of the consultant. The consultant will prepare a project schedule

Non-State Bids, Contracts & Grants

based on a start date of February 1, 2008 and a target date of December 1, 2008 for completion of the preliminary design.

A "Qualification Based Selection" method will be used to review proposals submitted in response to this RFP.

The full Request for Proposal can be obtained at the Office of the Washington County Engineer:

Washington County Public Works Department
11660 Myeron Road North
Stillwater, MN 55082
Phone: (651) 430-4330

The full Request for Proposal can also be obtained from the Washington County website:

http://www.co.washington.mn.us/info_for_residents/transportation_division/bidsrequest_for_proposals

Pre-proposal Conference: November 26, 2007 at 1:00 p.m. at Washington County Public Works

Proposals Due: December 11, 2007 at 2:00 p.m. at Washington County Public Works

A minimum goal of 12% Good Faith Effort must be subcontracted to Disadvantaged Business Enterprises.

State Register Binders

Specially designed binders with the State Register logo for storing your State Registers. Two binders typically hold one-year's subscription. Order Stock # 91-8, \$12.00 + tax

Minnesota's Bookstore

660 Olive Street (Williams Hill Business Development), St. Paul, MN 55155

(1 block east of I-35E Bridge, 1 block north of University Ave.)

FREE PARKING

Phone: (651) 297-3000; Fax: (651) 215-5733

E-mail: <http://www.minnesotasbookstore.com>

***Great Books and Gifts for Your Reading Pleasure
and***

WE ARE "MAP CENTRAL"

--- WE HAVE ***THOUSANDS*** OF MAPS ---

Minnesota's Bookstore

660 Olive Street (Williams Hill Business Development), St. Paul, MN 55155

(1 block east of I-35E Bridge, 1 block north of University Ave.)

FREE PARKING

Phone: (651) 297-3000; Fax: (651) 215-5733

E-mail: <http://www.minnesotasbookstore.com>

Great Books and Gifts for Your Reading Pleasure

- **The Dakota War of 1862** - Minnesota's Other Civil War, by Kenneth Carley, \$14.95
- **Minnesota Treasures** - Stories Behind the State's Historical Places, by Richard Moe, \$39.95
- **No More Gallant a Deed** - A Civil War Memoir of the First Minnesota Volunteers, by James A. Wright, edited by Steven J. Keillor, \$34.95
- **Minnesota's Indian Mounds and Burial Sites:** A Synthesis of Prehistoric and Early Historic Archaeological Data, by Constance M. Arzigian and Katherine P. Stevenson, \$44.95
- **Mike Lynch's Minnesota Starwatch** - The Essential Guide to Our Night Sky, \$24.95
- **Minnesota's State Capitol** - The Arts and Politics of a Public Building, \$16.95
- **A Birders's Guide to Minnesota**, by Kim R. Eckert, \$20.00
- **Celebrate Saint Paul** - 150 Years of History, \$49.95
- **Minnesota Guidebook to State Agency Services** - Owners manual for Minnesotans, \$14.95

WE ARE "MAP CENTRAL"

--- WE HAVE ***THOUSANDS*** OF MAPS ---

County Plat Books

(PRIM) Public Recreation Information Maps

County Highway Maps

Lake Depth Maps

Hiking and Biking Maps

Minnesota Atlas and Gazetteer

Minnesota Highway and Recreational Atlas

Fishing/Hunting Maps

Fishing Hot Spots

