

**Title 8—DEPARTMENT OF LABOR AND
INDUSTRIAL RELATIONS
Division 50—Workers' Compensation
Chapter 2—Procedure**

PROPOSED RESCISSION

8 CSR 50-2.030 Resolution of Medical Fee Disputes. This rule set forth the Division of Workers' Compensation administrative procedures available to employers, insurance carriers and health care providers to resolve disputes concerning charges, services or aids in accordance with section 287.140, RSMo.

PURPOSE: This rule is being rescinded due to the fact that the division has instituted a three year review of all rules. Certain procedural changes need to be made to better implement the medical fee dispute process. A new rule governing procedures is proposed.

AUTHORITY: section 287.650, RSMo 1994. Emergency rule filed Feb. 3, 1993, effective Feb. 19, 1993, expired June 18, 1993. Emergency rule filed June 29, 1993, effective July 9, 1993, expired Nov. 5, 1993. Emergency rule filed Nov. 16, 1993, effective Nov. 26, 1993, expired March 25, 1994. Emergency rule filed June 28, 1994, effective July 8, 1994, expired Nov. 4, 1994. Emergency rule filed Oct. 20, 1994, effective Nov. 5, 1994, expired March 4, 1995. Emergency rule filed Aug. 18, 1995, effective Aug. 28, 1995, expired Feb. 23, 1996. Original rule filed Aug. 18, 1995, effective Feb. 24, 1996. Rescinded: Filed Jan. 21, 2000.

PUBLIC COST: This proposed rescission will not cost state agencies or political subdivisions more than \$500 in the aggregate.

PRIVATE COST: This proposed rescission will not cost private entities more than \$500 in the aggregate.

NOTICE TO SUBMIT COMMENTS: Anyone may file a statement in support of or in opposition to this proposed rescission with the Division of Workers' Compensation, Attn: Jo Ann Karll, Director, P.O. Box 58, Jefferson City, MO 65102-0058. To be considered, comments must be received within thirty days after publication of this notice in the Missouri Register. No public hearing is scheduled.

**Title 8—DEPARTMENT OF LABOR AND
INDUSTRIAL RELATIONS
Division 50—Workers' Compensation
Chapter 2—Procedure**

PROPOSED RULE

8 CSR 50-2.030 Resolution of Medical Fee Disputes

PURPOSE: This rule sets forth the Division of Workers' Compensation administrative procedures available to employers, insurance carriers and health care providers to resolve disputes concerning charges for services, in accordance with section 287.140, RSMo.

(1) Procedures pertaining to applications for payment of additional reimbursements.

(A) If an employer or insurer disputes the reasonableness of a medical fee or charge, the employer or insurer shall notify the health care provider in writing that the medical charge is being disputed and shall explain the basis for the dispute. The employer or insurer may tender partial payment and the health care provider may accept payment of the amount tendered without prejudice to the filing of an application for payment of additional reimbursements of medical fees. Upon receiving the written notice of the

dispute, the health care provider shall contact the insurer or employer to attempt to resolve the dispute. If the negotiation is unsuccessful and more than ninety (90) days have elapsed since the date of first billing, the health care provider may file an application for payment of additional reimbursement of medical fees with the division.

(B) The health care provider shall file with the division an original application for payment of additional reimbursements of medical fees. The application shall contain the following information:

1. The name, address and telephone number of the health care provider and, if different, the address where the service was rendered;

2. Name, address and telephone number of the employer and insurer against whom the application is being filed;

3. Name, address and Social Security number of the employee for whom health care services were rendered, together with the date of injury, for all disputes;

4. The amount in dispute;

5. Any information the division deems necessary to resolve the dispute.

(C) The health care provider shall serve through personal service or by certified mail, return receipt requested, a copy of the application on the person or corporation against whom the application has been filed. The health care provider shall file proof of service with the division.

(D) The application shall be filed on a form prescribed by the division and shall contain the required information. If the application does not include all the information required by this rule or proof of service is not filed with the division, the application will be rejected and will be returned for the additional information.

(E) If no report of injury or claim for compensation has been filed with the division for the injury for which the health care was provided the application may be returned for lack of jurisdiction.

(F) Upon receipt of the application, the division will assign a medical fee dispute number and confirm acceptance or rejection of the application to the health care provider.

(G) After the filing of an application for payment of additional reimbursement of medical fees, the parties shall again attempt to resolve their dispute without the assistance of the division.

(H) If the parties are unable to resolve their dispute, the health care provider may file a written application for an evidentiary hearing of the medical fee dispute. The health care provider shall immediately forward a copy of the application for an evidentiary hearing to all parties. The employer or insurer shall file an answer to the application for an evidentiary hearing within twenty (20) days from the date of the application, unless good cause is found by the division to extend the filing of the answer. If the employer or insurer fails to file a timely answer the facts contained in the application are deemed admitted as true. An evidentiary hearing shall be scheduled in front of an administrative law judge or legal advisor. An application for an evidentiary hearing cannot be dismissed without prejudice after an evidentiary hearing has been scheduled, without approval of the administrative law judge or legal advisor.

(I) Either party may engage in discovery to the extent authorized by Chapter 287, RSMo.

(J) The hearing shall be held at a place and time to be set by the division. The division shall notify all parties as to the time and place of the hearing. The hearing shall be simple and informal and all parties shall be entitled to be heard and to introduce evidence, however, the rules of evidence in civil proceedings shall not apply. The administrative law judge or legal advisor shall conduct the hearing and shall issue an award deciding the issues in dispute. The award should be completed within thirty (30) days of submission of the case.

(K) Either party may file an application for review with the Labor and Industrial Relations Commission within twenty (20) days from the date of the award of the administrative law judge or

legal advisor. This review shall be subject to review and appeal in the same manner as provided for other awards in Chapter 287, RSMo.

(L) The parties shall notify the division of the date and amount of any settlement of the application for payment of additional reimbursement of medical fees.

(M) The division, without a hearing, may reject an application for payment of additional reimbursements of medical fees without prejudice for failure to follow the procedures of this rule.

(N) Any settlement or award entered on the application for reimbursement of additional medical fees shall prohibit the health care provider from pursuing any additional fees for medical treatment from the employee.

(2) Procedures Pertaining to Applications for Direct Payments.

(A) If an employer or insurer fails to make payment for services provided to an employee by a health care provider due to an injury covered under the Missouri Workers' Compensation Law, and more than ninety (90) days have elapsed since the date of first billing, the health care provider may file an application for direct payment with the division.

(B) The notice of services provided and request for direct payment shall contain the following information:

1. The name, address and telephone number of the health care provider and, if different, the address where the service was rendered;

2. Name, address and telephone number of the employer and insurer against whom the application is being filed;

3. Name, address and Social Security number of the employee for whom health care services were rendered, together with the date of injury, for all disputes;

4. A brief description of the disputed services rendered; the date services were provided; the amount of money claimed to be owed; and the name and title of the person from the insurer or employer giving authorization (if known);

5. Any information the division deems necessary.

(C) The health care provider shall serve the employer or insurer through personal service or by certified mail, return receipt requested, a copy of the application on the person or corporation against whom the application has been filed. The health care provider shall file proof of service in accordance with section (4) of this rule with the division.

(D) The application shall be filed on a form prescribed by the division and shall contain the required information. If the application does not include all the information required by paragraph (B)1. of this rule or proof of service is not filed with the division, the application will be returned for the additional information.

(E) The division, without a hearing, may reject an application for direct payment without prejudice if the application does not pertain to a dispute relating to services for a compensable injury or for failure to follow the procedures of this rule.

(F) If there is no report of injury or claim for compensation filed with the division for the injury for which the health care was provided, the application will be returned for lack of jurisdiction of the division.

(G) Upon filing of the application, the division shall cause the application for direct payment to be made part of the underlying workers' compensation case and shall notify the health care provider of all proceedings relating to the underlying workers' compensation case. The division shall notify all parties to the case that the application has been made part of the underlying workers' compensation case. The health care provider shall be granted standing to appear as a party in the underlying workers' compensation case for the limited purpose of establishing that the health care provider is entitled to payment for services rendered. The health care provider shall have all rights accorded a party under Chapter 287, RSMo, as to this limited issue.

(H) The health care provider is barred from pursuing the employee for any costs incurred in pursuing the medical fee dispute and any reduction in payment of a medical charge.

(3) In any dispute between a health care provider and a managed care organization regarding medical care services or payment of such services, the decision of the managed care organization is subject to review by the division according to section 287.135.5, RSMo.

(4) Except as otherwise provided in this rule, each party filing any document with the division shall mail or deliver to the opposing party a true and accurate copy of the document filed with the division and shall certify or state on the document being filed that such mailing or delivery has occurred.

AUTHORITY: section 287.650, RSMo Supp. 1999. Emergency rule filed Feb. 3, 1993, effective Feb. 19, 1993 expired June 18, 1993. Emergency rule filed June 29, 1993, effective July 9, 1993, expired Nov. 5, 1993. Emergency rule filed Nov. 16, 1993, effective Nov. 26, 1993, expired March 25, 1994. Emergency rule filed June 28, 1994, effective July 8, 1994, expired Nov. 4, 1994. Emergency rule filed Oct. 20, 1994, effective Nov. 5, 1994, expired March 4, 1995. Emergency rule filed Aug. 18, 1995, effective Aug. 28, 1995, expired Feb. 23, 1996. Original rule filed Aug. 18, 1995, effective Feb. 24, 1996. Rescinded and readopted: Filed Jan. 21, 2000.

PUBLIC COST: This proposed rule will not cost state agencies or political subdivisions more than \$500 in the aggregate.

PRIVATE COST: This proposed rule will not cost private entities more than \$500 in the aggregate.

NOTICE TO SUBMIT COMMENTS: Anyone may file a statement in support of or in opposition to this proposed rule with the Division of Workers' Compensation, Attn: Jo Ann Karll, Director, P.O. Box 58, Jefferson City, MO 65102-0058. To be considered, comments must be received within thirty days after publication of this notice in the Missouri Register. No public hearing is scheduled.

**Title 8—DEPARTMENT OF LABOR AND INDUSTRIAL RELATIONS
Division 50—Workers' Compensation
Chapter 4—Rehabilitation**

PROPOSED RESCISSION

8 CSR 50-4.010 Rules Governing Rehabilitation. This rule was concerned with the physical rehabilitation of employees seriously injured. The creation of rehabilitation facilities, the acceptance of physical rehabilitation and a general statement of policy dealing with rehabilitation was included.

PURPOSE: This rule is being rescinded due to the fact the rule has not been reviewed or revised since 1975. Substantial changes in procedure have been adopted by the division requiring new rule language. A new rule is proposed.

AUTHORITY: section 287.141, RSMo 1986. Original rule filed Aug. 14, 1956, effective Aug. 25, 1956. Amended: Filed May 1, 1973, effective May 12, 1973. Amended: Filed Aug. 26, 1975, effective Sept. 5, 1975. Rescinded: Filed Jan. 21, 2000.

PUBLIC COST: This proposed rescission will not cost state agencies or political subdivisions more than \$500 in the aggregate.

PRIVATE COST: This proposed rescission will not cost private entities more than \$500 in the aggregate.

NOTICE TO SUBMIT COMMENTS: Anyone may file a statement in support of or in opposition to this proposed rescission with the Division of Workers' Compensation, Attn: Jo Ann Karll, Director, P.O. Box 58, Jefferson City, MO 65102-0058. To be considered, comments must be received within thirty days after publication of this notice in the Missouri Register. No public hearing is scheduled.

**Title 8—DEPARTMENT OF LABOR AND
INDUSTRIAL RELATIONS
Division 50—Workers' Compensation
Chapter 4—Rehabilitation**

PROPOSED RULE

8 CSR 50-4.010 Rules Governing Rehabilitation

PURPOSE: This rule is concerned with the physical rehabilitation of seriously injured employees and the certification of rehabilitation facilities. As provided by the statute, only those seriously injured workers receiving physical rehabilitation in facilities certified by the division are entitled to benefits from the Second Injury Fund under section 287.141.3, RSMo. This does not mean that workers cannot be rehabilitated in other facilities, but it does mean, if they are, that they cannot receive the Second Injury Fund benefits provided in section 287.141.3, RSMo.

(1) Section 287.141, RSMo, provides for physical rehabilitation of the seriously injured and for the division to administer the benefits provided.

(2) Words and phrases used in these rules are declared to mean:

(A) Director—Director of the Division of Workers' Compensation;

(B) Division—Division of Workers' Compensation;

(C) Employee—seriously injured worker who seeks, or for whom is sought physical rehabilitation;

(D) Employer—as defined by and used in the Workers' Compensation Law of Missouri;

(E) Facility or rehabilitation facility—institution providing physical rehabilitation;

(F) Insurer—as defined by and used in the Workers' Compensation Law of Missouri; and

(G) Physical rehabilitation—physical restoration of an injured worker as soon as possible and as nearly as possible to a condition of self-support and maintenance as an able-bodied worker. The term shall include medical, physical and occupational therapy provided on an inpatient or outpatient basis. The term shall exclude vocational rehabilitation as defined by section 287.143 through section 287.148, RSMo.

(3) Certification of Rehabilitation Facilities.

(A) The division shall employ such necessary technical and clerical personnel as may be required for the effective administration of the functions and duties provided in section 287.141, RSMo. The division may investigate a rehabilitation facility for the purpose of certification or review of certification. A report of the investigation shall be made available to the facility requesting certification. Each report shall include findings specifically as to the standards required by section 287.141.2, RSMo. The report shall be preserved as part of the division's record of certification. The information obtained by the division in the certification process shall be confidential.

(B) In order to qualify as a rehabilitation facility, the facility must meet the specifications as to function, personnel, equipment and direction set forth in section 287.141.2, RSMo. If the facility currently maintains either Commission on Accreditation of Rehabilitation Facilities (CARF) or Joint Commission on Accreditation of Hospital Organizations (JCAHO) certification, the facility will be certified for purposes of this rule. For facilities not certified by CARF or JCAHO the division will supply the standards for certification to the facility upon their application.

(C) Upon investigation, the division will grant or deny certification of the facility. Any facility denied certification may request a hearing before the director to review the denial. The director or the director's designee shall review the matter, including the discretion to take evidence if necessary, in the review.

(D) The division shall issue a certificate of qualification to a facility it finds meets the requirements of subsection (3)(B) of this rule. The division shall continuously maintain a complete roster by name and address of certified facilities in good standing.

(E) The original certification of a facility is not a guarantee of its continued certification. The division may revoke a facility's certification if a facility fails to continuously maintain the standards set forth in subsection (3)(B) of this rule.

(4) Eligibility of Second Injury Fund Benefits.

(A) The division shall determine whether the injury is a serious injury as set forth in subsection (4)(B) of this rule and whether the facility is a certified facility pursuant to subsection (3)(B) of this rule. The division may rely on the opinion of the treating physician in its determination of the injury as being serious. It is the seriousness of the injury rather than the type of treatment that determines the employee's eligibility of the benefit.

(B) The division considers the following injuries as serious: quadriplegia, paraplegia; amputations of the hand, arm, foot or leg; atrophy due to nerve injury or nonuse; back injuries not amenable alone to recognized medical and surgical procedures; crushing injuries; severe burn injuries; and other injuries in the division's discretion that may constitute a significant impairment.

(C) If the division determines payment of the benefit is owing, the division thereupon shall enter its approval, advise the parties of its action and requisition weekly payments out of the Second Injury Fund, to be paid the employee. The division itself may identify cases appropriate for payment of the Second Injury Fund benefit, in such cases the division shall requisition weekly payments and shall notify the parties to the case of its action.

(D) Where the need for physical rehabilitation is shown to the satisfaction of the division to require a period greater than twenty (20) weeks, the division shall issue a special order for such additional period. The division shall continue to requisition the amount provided by section 287.141.3, RSMo, out of the Second Injury Fund to the injured employee while he or she is being rehabilitated.

(E) In the gravest of injuries, the division may consider interruptions of physical rehabilitation for medical reasons in determining benefits.

(F) A facility shall inform the division in such a manner as determined by the division, the period during which an employee is actually being rehabilitated and submit a complete progress report when requested by the division.

(5) Any dispute arising under sections 287.141.2 and 287.141.5, RSMo, or a denial of payment of the Second Injury Fund benefit under section 287.141.3, RSMo, shall be governed by the provisions of this section.

(A) If the parties disagree as to the provisions or acceptance of physical rehabilitation or the division has denied payment of the Second Injury Fund benefit provided in section 287.141.3, RSMo, the employee or the employer or the insurer may file a request for a hearing with the division.

(B) Hearing on a request filed under subsection (A) shall be held at a place and time to be set by the division and shall be informal in all respects. The rules of evidence in civil proceedings shall not apply. Such hearing may be held by the director or by the director's designee.

(C) Resetting the hearing date for evidence shall only be granted under unusual circumstances.

(D) Requests for continuances must be in writing and will not be granted except under extraordinary circumstances.

(E) The hearing will be recorded. A transcription of the hearing will be made upon request and shall be available to the parties in like manner and for the same fees as provided in 8 CSR 50-2.020.

(F) Within ten (10) days after the hearing and after considering all the evidence, the division shall issue an order either granting or denying the request for physical rehabilitation or the Second Injury Fund benefit. A copy of the order shall be sent to all parties. When the order grants physical rehabilitation or the Second Injury Fund benefit, it shall include an order to requisition payment of the amount provided by section 287.141.3, RSMo, from the Second Injury Fund to the injured employee during such time as the employee is receiving physical rehabilitation.

(G) All parties must comply with an order of the division within thirty (30) days from the date of said order, unless the order itself specifically provides otherwise.

(H) A request for a review of an order of the division issued pursuant to section 287.141.5, RSMo and section 287.141.3, RSMo is governed by the provisions of section 287.480, RSMo and section 287.495, RSMo.

AUTHORITY: section 287.141, RSMo 1994. Original rule filed Aug. 14, 1956, effective Aug. 25, 1956. Amended: Filed May 1, 1973, effective May 12, 1973. Amended: Filed Aug. 26, 1975, effective Sept. 5, 1975. Rescinded and readopted: Filed Jan. 21, 2000.

PUBLIC COST: This proposed rule will not cost state agencies or political subdivisions more than \$500 in the aggregate.

PRIVATE COST: This proposed rule will not cost private entities more than \$500 in the aggregate.

NOTICE TO SUBMIT COMMENTS: Anyone may file a statement in support of or in opposition to this proposed rule with the Division of Workers' Compensation, Attn: Jo Ann Karll, Director, P.O. Box 58, Jefferson City, MO 65102-0058. To be considered, comments must be received within thirty days after publication of this notice in the Missouri Register. No public hearing is scheduled.

**Title 10—DEPARTMENT OF NATURAL RESOURCES
Division 60—Public Drinking Water Program
Chapter 5—Laboratory and Analytical Requirements**

PROPOSED AMENDMENT

10 CSR 60-5.010 Accepted and Alternate Procedures for Analyses. The commission is amending sections (1) and (2).

PURPOSE: This amendment updates the accepted methods for analysis of disinfectants and disinfection by-products and rearranges some existing requirements.

PUBLISHER'S NOTE: The publication of the full text of the material that the adopting agency has incorporated by reference in this rule would be unduly cumbersome or expensive. Therefore, the full text of that material will be made available to any interested person at both the Office of the Secretary of State and the office of the

adopting agency, pursuant to section 536.031.4, RSMo. Such material will be provided at the cost established by state law.

(1) Inorganic and Radiological Contaminants. Unless substitute methods are approved by the department, analysis shall be conducted in accordance with the methods listed in the following table. All analytical methods listed in this are incorporated by reference. Criteria for analyzing arsenic, barium, beryllium, cadmium, calcium, chromium, copper, lead, nickel, selenium, sodium, and thallium with digestion or directly without digestion, and other analytical test procedures are contained in "Technical Notes on Drinking Water Methods," EPA-600/R-94-173, October 1994. This document also contains approved analytical test methods which remain available for compliance monitoring until July 1, 1996. These methods will not be available for use after July 1, 1996. This document is available from the National Technical Information Service, NTIS PB95-104766, U.S. Department of Commerce, 5285 Port Royal Road, Springfield, VA 22161. The toll-free number is 800-553-6847.

Contaminant	Methodology (if appropriate)	Method (if appropriate)	Reference	
Aluminum	Inductively Coupled Plasma-Emission Spectroscopy	200.7	22	
		3120 B	17	
		Inductively Coupled Plasma-Mass Spectrometry	200.8	22
		Atomic Absorption-Platform Technique	200.9	22
			3113 B	17
		3111 D	17	
Antimony	Atomic Absorption-Gaseous Hydride	D3697-92	19	
		Atomic Absorption-Graphite Furnace	3113 B	17
		Inductively Coupled Plasma—Mass Spectrometry	200.8	22
		Atomic Absorption—Platform Technique	200.9	22
Arsenic	Atomic Absorption—Graphite Furnace	D-2972-93C	19	
		3113 B	17	
	Atomic Absorption-Gaseous Hydride	D2972-93B	19	
		3114B	17	
	Atomic Absorption—Platform	200.9	22	
	Inductively Coupled Plasma-Emission Spectroscopy	200.7	22	
		3120 B	17	
	Inductively Coupled Plasma-Mass spectrometry	200.8	22	
Asbestos	Transmission Electron Microscopy	100.1	7	
		100.2	27	
Barium	Inductively Coupled Plasma-Mass Spectrometry	200.8	22	
		Atomic Absorption-Graphite Furnace	3113 B	17
		Atomic Absorption-Direct Aspiration	3111 D	17
		Inductively Coupled Plasma-Emission Spectroscopy	200.7	22
		3120 B	17	
Beryllium	Atomic Absorption-Graphite Furnace	D3645-93B	19	
		3113 B	17	
	Atomic Absorption-Platform	200.9	22	
	Inductively Coupled Plasma-Emission Spectroscopy	3120 B	17	
		200.7	22	
		Inductively Coupled Plasma-Mass Spectrometry	200.8	22
Bromate	Ion Chromatography	300.1	31	
Bromide	Ion Chromatography	300.0	25	
		300.1	31	
Cadmium	Atomic Absorption-Graphite Furnace	3113 B	17	
		Atomic Absorption-Platform	200.9	22
		Inductively Coupled Plasma-Emission Spectroscopy	200.7	22
		Inductively Coupled Plasma-Mass Spectrometry	200.8	22
Chloride		300.0	25	
		D4327-91	19	
		4500-Cl-D	17	
Chlorite	Ion Chromatography	300.0	25	
		300.1	31	
Chromium	Atomic Absorption-Furnace Technique	3113 B	17	
		Atomic Absorption-Platform	200.9	22
		Inductively Coupled Plasma-Emission Spectroscopy	200.7	22
			3120 B	17
			Inductively Coupled Plasma-Mass Spectrometry	200.8
Color		2120 B	17	

Contaminant	Methodology (if appropriate)	Method (if appropriate)	Reference
Copper	Atomic Absorption-Furnace Technique	D1688-90C	19
		3113 B	17
	Atomic Absorption-Platform	200.9	22
		Atomic Absorption-Direct Aspiration	D1688-90A
	Inductively-Coupled Plasma	3111 B	17
		200.7	22
Inductively-Coupled Plasma-Mass Spectrometry	3120 B	17	
	200.8	22	
Cyanide	Manual distillation followed by- 1. Amenable Spectrophotometric	4500-CN-C	17
		D2036-91B	19
	2. Spectrophotometric—Manual	4500-CN-G	17
		D2036-91A	19
	3. Spectrophotometric—Manual—Semiautomated	4500-CN-E	17
		1-3300-85	24
	4. Selective Electrode	335.4	25
		4500-CN-F	17
Dissolved Organic Carbon (DOC)	High-Temperature Combustion	5310 B	29
	Persulfate-Ultraviolet or Heated-Persulfate Oxidation	5310 C	29
	Wet-Oxidation	5310 D	29
Fluoride	Colorimetric SPADNS, with distillation Ion Chromatography	4500-F-B&D	17
		300.0	25
		D4327-91	19
	Manual Electrode	4110 B	17
		D1179-93B	19
	Automated Alizarin Fluoride Blue, with distillation (complexone)	4500-F-C	17
		4500-F-E	17
		129-71W	9
Automated Ion Selective Electrode	380-75WE	10	
Foaming Agents		5540C	17
Iron		200.7	22
		200.9	22
		3120 B	17
		3111 B	17
		3113 B	17
Lead	Atomic Absorption-Furnace Technique	D3559-90D	19
		3113 B	17
	Inductively Coupled Plasma-Mass Spectrometry	200.8	22
	Atomic Absorption-Platform Furnace	200.9	22
Manganese		200.7	22
		200.8	22
		200.9	22
		3120 B	17
		3111 B	17
	3113 B	17	
Mercury	Manual cold vapor technique	245.1	22
		D3223-91	19
		3112 B	17
	Automated cold vapor technique	245.2	1
	Inductively Coupled Plasma—Mass Spectrometry	200.8	22

Contaminant	Methodology (if appropriate)	Method (if appropriate)	Reference
Nickel	Atomic Absorption-Direct Aspiration	3111 B	17
	Atomic Absorption-Platform Technique	200.9	22
	Inductively Coupled Plasma-Emission Spectroscopy	200.7	22
		3120 B	17
	Inductively Coupled Plasma-Mass Spectrometry	200.8	22
	Atomic Absorption-Graphite Furnace	3113 B	17
Nitrate	Manual Cadmium Reduction	D3867-90B	19
		4500 NO ₃ -E	17
	Automated Cadmium Reduction	353.2	25
		D3867-90A	19
	Ion Selective Electrode	4500-NO ₃ -F	17
		4500-NO ₃ -D	17
	Ion Chromatography	601	26
		300.0	25
		B-1011	8
		4110 B	17
D4327-91		19	
Nitrite	Spectrophotometric	4500-NO ₃ -B	17
		353.2	25
	Automated Cadmium Reduction	D3867-90A	19
		4500 NO ₃ -F	17
	Manual Cadmium Reduction	D3867-90B	19
		4500-NO ₃ -E	17
	Ion Chromatography	300.0	25
		B-1011	8
		D4327-91	19
		4110 B	17
	Odor	2150 B	17
Operational Monitoring— Disinfection Byproducts— Chlorite	Amperometric Titration	4500-ClO₂ E	28
Operational Monitoring— General			17
Operational Monitoring— Lead and Copper Regulation	pH Electrometric	150.1	1
		150.2	1
		D1293-84	19
		4500-H+-B	17
	Conductivity	D1125-91A	19
		2510 B	17
	Calcium (EDTA Titrimetric)	D511-93A	19
		3500-Ca-D	17
	(Inductively Coupled Plasma)	200.7	22
		3120 B	17
	(Atomic Absorption—Direct Aspiration)	D511-93B	19
		3111 B	17
	Alkalinity (Titrimetric)	D1067-92B	19
		2320 B	17
	(Electrometric Titration)	I-1030-85	24
	Orthophosphate (unfiltered, no digestion or hydrolysis)		
	(Colorimetric, automated ascorbic acid)	365.1	25
		4500-P-F	17

Contaminant	Methodology (if appropriate)	Method (if appropriate)	Reference
Operational Monitoring— Lead and Copper Regulation (cont.)	(Colorimetric, ascorbic acid single reagent)	D515-88A 4500-P-E	19 17
	(Colorimetric, phosphomolybdate, automated-segmented flow, automated discrete)	I-1601-85 I-2601-90 I-2598-85	24 24 24
	(Ion Chromatography)	300.0 D4327-91 4110	25 19 17
	Silica (Colorimetric, molybdate blue, automated-segmented flow)	I-1700-85 I-2700-85	24 24
	(Colorimetric)	D859-88	19
	(Molybdosilicate)	4500-Si-D	17
	(Heteropoly blue)	4500-Si-E	17
	(Automated method for molybdate-reatine silica)	4500-Si-F	17
	(Inductively Coupled Plasma)	200.7 3120 B	22 17
Operational Monitoring— pH	pH Value	150.1 150.2 D1293-84 4500-H ⁺ B	1 1 19 17
Operational Monitoring— Residual Disinfectant Monitoring—Chlorine Dioxide	Amperometric [Titration] Method II	[4500-ClO ₂ C 4500-ClO ₂ E 4500-ClO ₂ D	[17] [17]28 [17]28
Combined Chlorine	DPD Method Amperometric Titration	4500-Cl D D 1253-86	28 30
	DPD Ferrous Titrimetric DPD Colorimetric	4500-Cl F 4500-Cl G	28 28
[Operational Monitoring— Residual Disinfectant Monitoring—] Free Chlorine	Amperometric Titration	4500-Cl D D 1253-86	[17]28 30
	DPD Ferrous Titrimetric DPD Colorimetric Syringaldazine (FACTS)	4500-Cl F 4500-Cl G 4500-Cl H	[17]28 [17]28 [17]28
[Combined Chlorine	Amperometric Titration	4500-Cl D D 1253-86	17] 30
	[Amperometric Titration—low level measurement DPD Ferrous Titrimetric DPD Colorimetric Iodometric Electrode	4500-Cl E 4500-Cl F 4500-Cl G 4500-Cl I	17 17 17 17]
Ozone	Indigo	4500-O B	17
Total Chlorine	Amperometric Titration	4500-Cl D D 1253-86	28 30
	Low Level Amperometric Titration DPD Ferrous Titrimetric DPD Colorimetric Iodometric Electrode	4500-Cl E 4500-Cl F 4500-Cl G 4500-Cl I	28 28 28 28

Contaminant	Methodology (if appropriate)	Method (if appropriate)	Reference		
<i>Operational Monitoring— Lead and Copper Regulation</i>	<i>pH Electrometric</i>	150.1	1		
		150.2	1		
		D1293-84	19		
	<i>Conductivity</i>	4500-H ⁺ B	17		
		D1125-91A	19		
		2510 B	17		
	<i>Calcium (EDTA Titrimetric)</i>	D511-93A	19		
		3500-Ca D	17		
		(Inductively Coupled Plasma)	200.7	22	
		3120 B	17		
		(Atomic Absorption—Direct Aspiration)	D511-93B	19	
		3111 B	17		
	<i>Alkalinity (Titrimetric)</i>	D1067-92B	19		
		2320 B	17		
		(Electrometric Titration)	I-1030-85	24	
	<i>Orthophosphate (unfiltered, no digestion or hydrolysis)</i>	<i>(Colorimetric, automated ascorbic acid)</i>	365.1	25	
			4500-P F	17	
		<i>(Colorimetric, ascorbic acid single reagent)</i>	D515-88A	19	
			4500-P E	17	
		<i>(Colorimetric, phosphomolybdate, automated-segmented flow, automated discrete)</i>	I-1601-85	24	
			(Ion Chromatography)	I-2601-90	24
			I-2598-85	24	
		<i>Silica (Colorimetric, molybdate blue, automated-segmented flow)</i>	300.0	25	
			D4327-91	19	
			4110	17	
			I-1700-85	24	
			I-2700-85	24	
	(Colorimetric)		D859-88	19	
	<i>(Molybdosilicate)</i>	4500-Si D	17		
		(Heteropoly blue)	4500-Si E	17	
		(Automated method for molybdate-reactive silica)	4500-Si F	17	
		(Inductively Coupled Plasma)	200.7	22	
			3120B	17	
<i>Operational Monitoring— Residual Disinfectant Monitoring— Ozone</i>	<i>Indigo</i>	4500-O B	17]		
<i>Operational Monitoring— Temperature</i>	Thermometric	2550 B	17		
Radionuclides			11		
			12		
			13		
	Examination of Water & Wastewater for Radioactivity	700	3		
Gamma Spectrometry in Water	D2459	2			
Microquantities of Uranium in Water by Fluorometry	D2907	2			
Secondary Contaminants			3		
Selenium	Atomic Absorption-Hydride Generation	D3859-93A	19		
		3114 B	17		
	Atomic Absorption-Graphite Furnace	D3859-93	19		
		3113 B	17		
	Atomic Absorption-Platform	200.9	22		
Inductively Coupled Plasma-Mass Spectrometry	200.8	22			

Contaminant	Methodology (if appropriate)	Method (if appropriate)	Reference
Silver	Atomic Absorption-Graphite Furnace	I-3720-85	24
	Inductively Coupled Plasma-Emission Spectroscopy	200.7	22
	Inductively Coupled Plasma-Mass Spectrometry	200.8	22
	Atomic Absorption-Platform Technique	200.9	22
		3120 B	17
		3111 B	17
		3113 B	17
Sulfate	Colorimetric-Methylthymol blue	375.2	25
	Gravimetric	4500-SO ₄ -C, D	17
	Turbidimetric	4500-SO ₄ -F	17
	Ion Chromatography	300.0	25
		4110	17
		D4327-91	19
Thallium	Atomic Absorption-Platform Technique	200.9	22
	Inductively Coupled Plasma-Mass Spectrometry	200.8	22
Total Dissolved Solids		2540 C	17
Total Organic Carbon (TOC)	High-Temperature Combustion	5310 B	29
	Persulfate-Ultraviolet or Heated-Persulfate Oxidation	5310 C	29
	Wet-Oxidation	5310 D	29
Turbidity	Nephelometric	2130 B	17
		180.1	25
Sodium	Great Lakes Instruments	Method 2	18
	Inductively Coupled Plasma	200.7	22
	Atomic Absorption—Direct Aspiration	3111 B	17
Ultraviolet Absorption at 254 nm (UV254)	Ultraviolet Absorption	5910 B	28
Zinc		200.8	22
		3111 B	17

Footnotes

- 1) If approved by the department, systems may also measure residual disinfectant concentrations for chlorine, chloramines, and chlorine dioxide by using DPD colorimetric test kits.
- 2) A party approved by the department must measure residual disinfectant concentration.
- 3) Amperometric titration may be used for routine daily monitoring of chlorite at the entrance to the distribution system. Ion chromatography must be used for routine monthly monitoring of chlorite and additional monitoring of chlorite in the distribution system.
- 4) TOC samples may not be filtered prior to analysis. TOC samples must either be analyzed or must be acidified to achieve pH less than 2.0 by minimal addition of phosphoric or sulfuric acid as soon as practical after sampling, not to exceed twenty-four (24) hours. Acidified TOC samples must be analyzed within twenty-eight (28) days.
- 5) UV absorption must be measured at 253.7 nm (may be rounded off to 254 nm). Prior to analysis, UV₂₅₄ samples must be filtered through a 0.45 μm pore-diameter filter. The pH of UV₂₅₄ samples may not be adjusted. Samples must be analyzed as soon as practical after sampling, not to exceed forty-eight (48) hours.
- 6) Specific Ultraviolet Absorbance (SUVA). SUVA is equal to the UV absorption at 254 nm (UV₂₅₄) (measured in m⁻¹/l) divided by the dissolved organic carbon (DOC) concentration (measured as mg/l). In order to determine SUVA, it is necessary to separately measure UV₂₅₄ and DOC. When determining SUVA, systems must use the methods stipulated in subparagraph (7)(D)4.A. of this rule to measure DOC and the method stipulated in subparagraph (7)(D)4.B. of this rule to measure UV₂₅₄. SUVA must be determined on water prior to the addition of disinfectants/oxidants by the system. DOC and UV₂₅₄ samples used to determine a SUVA value must be taken at the same time and at the same location.
- 7) Prior to analysis, DOC samples must be filtered through a 0.45 μm pore-diameter filter. Water passed through the filter prior to filtration of the sample must serve as the filtered blank. This filtered blank must be analyzed using procedures identical to those used for analysis of the samples and must meet the following criteria: DOC < 0.5 mg/L. DOC samples must be filtered through the 0.45 μm pore-diameter filter prior to acidification. DOC samples must either be analyzed or must be acidified to achieve pH less than 2.0 by minimal addition of phosphoric or sulfuric acid as soon as practical after sampling, not to exceed forty-eight (48) hours. Acidified DOC samples must be analyzed within twenty-eight (28) days.

(A) References for analytical methods **incorporated by reference** in 10 CSR 60-5.010(1)/:J.

1. "Methods of Chemical Analysis of Water and Wastes," EPA Environmental Monitoring and Support Laboratory, Cincinnati, OH 45268 (EPA-600/4-79-020), March, 1983. Available from National Technical Information Service, PB84-128677. Methods 150.1, 150.2 and 246.2 are also available from U.S. EPA, EMSL, Cincinnati, OH 45268.
2. *Annual Book of ASTM Standards*, Vols. 11.01 and 11.02, 1991, American Society for Testing and Materials, 1916 Race Street, Philadelphia, PA 19103.
3. *Standard Methods for the Examination of Water and Wastewater*, 16th edition, American Public Health Association, American Water Works Association, Water Pollution Control Federation, 1985.
4. "Methods for Determination of Inorganic Substances in Water and Fluvial Sediments," *Techniques of Water-Resources Investigations of the U.S. Geological Survey Books*, Book 5, Chapter A1, Third Edition, 1989. Available at Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402.
5. "Orion Guide to Water and Wastewater Analysis," Form WeWWG/5880, p. 5, 1985. Orion Research, Inc., Cambridge, MA 02139.
6. 200.7A "Inductively Coupled Plasma Atomic Emission Analysis of Drinking Water," Appendix to Method 200.7, March 1987, U.S. EPA, Environmental Monitoring and Support Laboratory, Cincinnati, OH 45268.
7. "Analytical Method for Determination of Asbestos Fibers in Water," Method 100.1, EPA-600/4-83-043, September 1983. Available from National Technical Information Service, PB83-260471.
8. "Waters Test Method for the Determination of Nitrite/Nitrate in Water Using Single Column Ion Chromatography," Method B-1011, Millipore Corporation, Waters Chromatography Division, 34 Maple Street, Milford, MA 01757.
9. "Fluoride in Water and Wastewater," Industrial Method 129-71W, Technicon Industrial Systems, Tarrytown, NY 10591, December 1972.
10. "Fluoride in Water and Wastewater," Industrial Method No. 380-75WE, Technicon Industrial Systems, Tarrytown, NY 10591, February 1976.
11. "Radiochemical Methodology for Drinking Water," Environmental Monitoring Support Laboratory, EPA-600/4-75-008, U.S. EPA, Cincinnati, OH 45268.
12. "Procedures for Radiochemical Analysis of Nuclear Reactor Aqueous Solutions," H.L. Krieger and S. Gold, EPA-R4-730014. U.S. EPA, Cincinnati, OH, May 1973.
13. *HASL Procedure Manual*, edited by John H. Harley, HASL 300, ERDA Health and Safety Laboratory, New York, NY, 1973.
14. "Determination of and Trace Elements in Water and Wastes by Inductively Coupled Plasma-Mass Spectrometry," Method 200.8, version 4.3, August 1990, EPA, Environmental Monitoring and Systems Laboratory, Cincinnati, OH 45268. Available from ORD Publication, CERL, EPA, Cincinnati, OH 45268.
15. "Determination of Metals and Trace Elements by Stabilized Temperature Graphite Furnace Atomic Absorption Spectrometry," Method 200.9, version 1.1, August 1990, EPA, Environmental Monitoring and Systems Laboratory, Cincinnati, OH 45268.
16. "Determination of Ozone in Water by the Indigo Method; A Submitted Standard Method," *Ozone Science and Engineering*, Volume 4, pages 169-176, Pergamon Press Ltd., 1982.
17. *Standard Methods for the Examination of Water and Wastewater*, 18th edition, American Public Health Association, American Water Works Association, Water Pollution Control Federation, 1992.
18. "Turbidity," GLI Method 2, November 2, 1992, Great Lakes Instruments, Inc., 8855 North 55 Street, Milwaukee, WI 53223.
19. *Annual Book of ASTM Standards*, Vols. 11.01 and 11.02, 1994, American Society for Testing and Materials, 1916 Race Street, Philadelphia, PA 19103.
20. "Determination of Metals and Trace Elements in Water and Wastes by Inductively Coupled Plasma-Mass Spectrometry" Method 200.8, August 1990, Revision 3.2 EPA EMSL. Available from U.S. EPA, EMSL, Cincinnati, OH 45268.
21. "Determination of Inorganic Ions in Water by Ion Chromatography" Method 300.8, December 1989, U.S. EPA EMSL, Available from U.S. EPA, EMSL, Cincinnati, OH 45268.
22. "Methods for the Determination of Metals in Environmental Samples—Supplement I, EPA-600/R-94-111, May 1994." Available from National Technical Information Service (NTIS) NTIS PB94-184942, U.S. Department of Commerce, 5285 Port Royal Road, Springfield, VA 22161. The toll-free number is (800) 553-6847.
23. "Method 300. Determination of Inorganic Anions in Water by Ion Chromatography." Inorganic Chemistry Branch, Environmental Monitoring Systems Laboratory, August 1991.
24. Available from the Books and Open-File Reports Section, United States Geological Survey, Federal Center, Box 25425, Denver, CO 80225-0425.
25. "Methods for the Determination of Inorganic Substances in Environmental Samples," EPA-600/R-93-100, August 1993. Available from National Technical Information Service, PB94-121811.
26. The procedure shall be done in accordance with the Technical Bulletin 601, "Standard Method of Test for Nitrate in Drinking Water," July 1994, PN 221890-001, Analytical Technology, Inc. Available from ATI, Orion, 529 Main Street, Boston, MA 02129.
27. "Determination of Asbestos Structure over 10- μ m in Length in Drinking Water," Method 100.2, EPA-600/R-94-134, June 1994. Available from NTIS, PB94-201902.
28. *Standard Methods for the Examination of Water and Wastewater*, 19th edition, American Public Health Association, 1995. Copies may be obtained from the American Public Health Association, 1015 Fifteenth Street, NW, Washington, DC 20005.
29. *Supplement to the 19th Edition of Standard Methods for the Examination of Water and Wastewater*, American Public Health Association, 1996. Copies may be obtained from the American Public Health Association, 1015 Fifteenth Street, NW, Washington, DC 20005.
30. *Annual Book of ASTM Standards*, Volume 11.01, American Society for Testing and Materials, 1996 edition. Copies may be obtained from American Society for Testing and Materials, 100 Barr Harbor Drive, West Conshohocken, PA 19428.
31. EPA Method 300.1 is titled "USEPA Method 300.1, Determination of Inorganic Anions in Drinking Water by Ion Chromatography, Revision 1.0," U.S. EPA, 1997, EPA/600/R-98/118 (available through NTIS, PB98-169196); also available from: Chemical Exposure Research Branch, Microbiological & Chemical Exposure Assessment Research Division, National Exposure Research Laboratory, U.S. Environmental Protection Agency, Cincinnati, OH 45268, fax number: 513-569-7757, phone number: 513-569-7586.

(2) Organic Contaminants. Unless substitute methods are approved, the following table includes acceptable analysis procedures **incorporated by reference** for organic contaminants:

Contaminant	Method
2,3,7,8-TCDD (Dioxin)	1613
2,4-D	515.1 515.2 555
2,4,5-TP (Silvex)	515.1
<i>/515.1515.2,1</i>	515.2 555
3-Hydroxycarbofuran	531.1 6610
Alachlor	505 507 525.2 508.1
Aldicarb	531.1 6610
Aldicarb sulfoxide	531.1 6610
Aldicarb sulfone	531.1 6610
Aldrin	505 508 525.2 508.1
Atrazine	505 507 525.2 508.1
Benzo(a)pyrene	525.2 550 550.1
Butachlor	507 525.2
Carbaryl	531.1 6610
Carbofuran	531.1 6610
Chlordane	505 508 525.2 508.1
Dalapon	515.1 552.1
Di(2-ethylhexyl)adipate	506 525.2
Di(2-ethylhexyl)phthalate	506 525.2
Dibromochloropropane (DBCP)	504.1 551
Dicamba	515.1 515.2 555
Dieldrin	505 508 508.1 525.2
Dinoseb	515.1 515.2 555
Diquat	549.1
Endothall	548.1
Endrin	505 508 525.2 508.1

Ethylene dibromide (EDB)	504.1 551
Glyphosate	547 6651
Haloacetic Acids (HAA5)	552.1 552.2 6251 B
Heptachlor	505 508 525.2 508.1
Heptachlor epoxide	505 508 525.2 508.1
Hexachlorobenzene	505 508 525.2 508.1
Hexachlorocyclopentadiene	505 525.2 508 508.1
Lindane	505 508 525.2 508.1
Methomyl	531.1 6610
Methoxychlor	505 525.2 508.1
Metolachlor	507 508.1 525.2
Metribuzin	507 508.1 525.2
Oxamyl (vydate)	531.1 6610
Pentachlorophenol	515.1 515.2 525.2 555
Picloram	515.1 515.2 555
Polychlorinated biphenyls	505 (as Aroclors) 508 (as Aroclors) 508A (as deca-chlorobiphenyl)
Propachlor	508 508.1 525.2
Simazine	505 507 508.1 525.2
Toxaphene	505 508 525.2
Total Trihalomethanes (TTHM)	502.2 524.2 /551/ 551.1
Volatile Organic Chemicals (regulated and unregulated)	502.2 524.2

Footnotes

1) A nitrogen-phosphorous detector should be substituted for the electron capture detector in Method 505 (or another approved method should be used) to determine alachlor, atrazine, and simazine, if lower detection limits are required.

2) PCBs are qualitatively identified as Aroclors and measured for compliance purposes as decachlorobiphenyl. Each system which monitors for PCBs shall analyze each sample using either Method 505 or Method 508.

3) Analyses of total trihalomethanes shall be conducted in accordance with these methods and "Technical Notes on Drinking Water Methods," EPA-600/R94-173, October 1994, which is available at NTIS, PB95-104766.

4) In addition to Methods 502.2 and 524.2, analysis for bromodichloromethane, bromoform, [*/] chlorodibromomethane, chloroform, carbon tetrachloride, tetrachloroethylene, 1,1,1-trichloroethane, and trichloroethylene may also be conducted by EPA Method 551. Analysis for 1,2,3-trichloropropane may be conducted by Methods 502.1, 524.2 and 504.1.

5) For method 502.2, if TTHMs are the only analytes being measured, then a photoionization detector is not required.

References for analytical methods **incorporated by reference** in 10 CSR 60-5.010(2): Methods [502.2,] 505, 507, 508, 508A, 515.1 and 531.1 are in "Methods for the Determination of Organic Compounds in Drinking Water," EPA-600/4-88-039, December 1988, revised July 1991. Methods 506, 547, 550, 550.1 and 551 are in "Methods for the Determination of Organic Compounds in Drinking Water—Supplement I," EPA-600-4-90-020, July 1990. Methods 515.2, [524.2,] 548.1, 549.1, 552.1 and 555 are in "Methods for the Determination of Organic Compounds in Drinking Water—Supplement II," EPA-600/R-92-129, August 1992. **EPA Methods 502.2, 524.2, 551.1, and 552.2 are in "Methods for the Determination of Organic Compounds in Drinking Water—Supplement III," U.S. EPA, August 1995, EPA/600/R-95/131.** Method 1613 is titled "Tetra-through Octa-Chlorinated Dioxins and Furans by Isotope-Dilution HRGC/HRMS," EPA-821-B-94-005 October 1994. These documents are available from National Technical Information Service (NTIS) NTIS PB91-231480, PB91-146027, PB92-207703, **PB95-261616**, and PB95-104774, U.S. Department of Commerce, 5285 Port Royal Road, Springfield, VA 22161. The toll-free number is (800) 553-6847. Method 6651 shall be followed in accordance with the 18th edition of "Standard Methods for the Examination of Water and Wastewater," 1992. Available from the American Public Health Association, 1015 Fifteenth Street, NW, Washington, DC 20005. Method 6610 shall be followed in accordance with the "Supplement to the 18th Edition of Standard Methods for the Examination of Water and Wastewater," 1994. Available from the American Public Health Association, 1015 Fifteenth Street NW, Washington, DC 20005. **Method 6251 B shall be followed in accordance with the 19th edition of "Standard Methods for the Examination of Water and Wastewater," 1995. Available from the American Public Health Association, 1015 Fifteenth Street, NW, Washington, DC 20005.** EPA Methods 504.1, 508.1, and 525.2 are available from U.S. EPA EMSL, Cincinnati, OH 45268. The phone number is (513) 569-7586. Other analytical test procedures are contained in Technical Notes on Drinking Water Methods, EPA-600/R-94-173, October 1994, NTIS PB95-104766.

- 502.1 Volatile halogenated organic chemicals in water by purge and trap gas chromatography
- 502.2 Volatile organic compounds in water by purge and trap capillary column gas chromatography with photoionization and electrolytic conductivity detectors in series
- 503.1 Volatile aromatic and unsaturated organic compounds in water by purge and trap gas chromatography

- 504.1 1,2-Dibromoethane (EDB) and 1,2-Dibromo-3-chloropropane (DBCP), and 1,2,3-Trichloropropane (123TCP) in Water by Microextraction and Gas Chromatography
- 505 Analysis of organohalide pesticides and commercial polychlorinated biphenyl products (Aroclors) in water by microextraction and gas chromatography
- 506 Determination of phthalate and adipate esters in drinking water by liquid-liquid extraction or liquid-solid extraction and gas chromatography with photoionization detection
- 507 Determination of nitrogen- and phosphorus-containing pesticides in groundwater by gas chromatography with a nitrogen-phosphorus detector
- 508 Determination of chlorinated pesticides in water by gas chromatography with an electron capture detector
- 508.1 Determination of chlorinated pesticides, herbicides, and organohalides by liquid-solid extraction and electron capture gas chromatography
- 508A Screening for polychlorinated biphenyls by perchlorination and gas chromatography (for quantification if detected with method 505 or 508)
- 515.1 Determination of chlorinated acids in water by gas chromatography with an electron capture detector, revision 5.0, May 1991
- 524.1 Measurement of purgeable organic compounds in water by purged column gas chromatography/mass spectrophotometry
- 524.2 Volatile organic chemicals in water by purge and trap capillary column gas chromatography/mass spectrophotometry
- 525.2 Determination of organic compounds in drinking water by liquid-solid extraction in capillary column gas chromatography/mass spectrophotometry
- 531.1 Measurement of N-methyl carbamoyloximes and N-methyl carbamates in water by direct aqueous injection HPLC with post-column derivatization
- 547 Analysis of glyphosate in drinking water by direct-aqueous-injection HPLC, with post-column derivatization
- 548 Determination of endothal in aqueous samples
- 549.1 Determination of diquat and paraquat in drinking water by liquid-solid extraction and by high performance liquid chromatography with ultraviolet detection
- 550 Determination of polycyclic aromatic hydrocarbons in drinking water by liquid-liquid extraction and HPLC with coupled ultraviolet and fluorescence detection
- 550.1 Determination of polycyclic aromatic hydrocarbons in drinking water by liquid-solid extraction and HPLC with coupled ultraviolet and fluorescence detection
- [552 *Determination of polycyclic aromatic hydrocarbons in drinking water by liquid-solid extraction and HPLC with coupled ultraviolet and fluorescence detection*]
- 551 Determination of chlorination disinfection byproducts and chlorinated solvents in drinking water by liquid-liquid extraction and gas chromatography with electron[-] capture detection
- 551.1 Determination of chlorination disinfection byproducts, chlorinated solvents, and halogenated pesticides/herbicides in drinking water by liquid-liquid extraction and gas chromatography with electron capture detection, Revision 1.0**
- 552.1 Determination of haloacetic acids and dalapon in drinking water by ion exchange liquid-liquid extraction and gas chromatography with an electron capture detector, Revision 1.0**

- 552.2 **Determination of haloacetic acids and dalapon in drinking water by liquid-liquid extraction, derivatization and gas chromatography with electron capture detection, Revision 1.0**
- 555 Determination of chlorinated acids in water by high performance liquid chromatography with a photodiode array ultraviolet detector
- 1613 "Tetra-through Octa-Chlorinated Dioxins and Furans by Isotope Dilution." This method is available from U.S. EPA-OST, Sample Control Center, P.O. Box 1407, Alexandria, VA 22313.
- 6610 Carbamate pesticides
- 6251 B Micro Liquid-Liquid Extraction Gas Chromatographic Method**
- 6651 Glyphosate herbicide

AUTHORITY: section 640.100, RSMo [1994] Supp. 1999. Original rule filed May 4, 1979, effective Sept. 14, 1979. For intervening history, please consult the Code of State Regulations. Amended: Filed Dec. 15, 1999.

PUBLIC COST: This proposed amendment is anticipated to cost four public water system laboratories approximately \$216,000 in the aggregate.

PRIVATE COST: This proposed amendment is anticipated to cost eight private laboratories approximately \$432,000 in the aggregate.

NOTICE OF PUBLIC HEARING AND NOTICE TO SUBMIT COMMENTS: A public hearing will be held April 6, 2000 at the DNR Conference Center, 1735 Elm Street, Jefferson City, Missouri. The informational meeting and public hearing on the proposed rulemaking will begin at 10:00 a.m. Requests to comment at the public hearing should be sent in advance to the Public Drinking Water Program at the address provided at the end of this notice.

Anyone may submit comments in support of or in opposition to this proposed amendment. In preparing comments on the proposed amendment, please include the regulatory citation and the Missouri Register page number. Please explain why you agree or disagree with the proposed change, and include alternative options or language for consideration by the commission.

Written comments must be postmarked or received by April 13, 2000. Comments may be mailed, faxed or E-mailed to: Jerry L. Lane, P.E., Director, Public Drinking Water Program, P.O. Box 176, Jefferson City, MO 65102. The fax number is (573) 751-3110. The E-mail address is nrmccal@mail.dnr.state.mo.us.

**FISCAL NOTE
PUBLIC ENTITY COST**

I. RULE NUMBER

Title: 10
 Division: 60
 Chapter: 5
 Type of Rulemaking: Proposed Amendment
 Rule Number and Name: 10 CSR 60-5.010 Accepted and Alternate Procedures for Analyses

II. SUMMARY OF FISCAL IMPACT

Affected Agency or Political Subdivision	Estimated Cost of Compliance in the Aggregate
4 Public Water System laboratories	Total Aggregate Cost = \$216,000

III. WORKSHEET

The estimated costs associated with new and updated analytical methods for disinfection by-products and associated operational tests were calculated as follows:

MDNR Costs:

No expected change in costs to the DNR laboratory since the existing monitoring program already included the new contaminants and the capability to run these new analyses is already established.

Costs to 4 Public Water System Laboratories:

The 4 publicly owned laboratories currently certified by DNR for chemical analysis are estimated to have \$216,000 in increased costs to adopt the new methods.

Bromate, Bromide, Chlorite - \$46,000/lab X 2 labs = \$92,000

DOC and TOC - \$36,000/lab X 3 labs = \$108,000

TTHM - \$0

HAAs - \$8,000/lab X 2 labs = \$16,000

IV. ASSUMPTIONS

1. The changes in the regulation add new and updated accepted methods for disinfection by-products and operational monitoring related to disinfectant by-product control. Laboratories will have to add equipment to be able to perform the analyses.
 - a. Bromate, Bromide, Chlorite - EPA methods 300.0 or 300.1. All the laboratories may not have this capability since the methods are used for only a few other contaminants. Cost for adding the equipment necessary is \$45,000 per laboratory with about 50 % of the labs needing to add the capability.
 - b. DOC and TOC – Standard Methods 5310 B or D. The laboratories may not have this capability since this is the first time such analyses have been required for drinking water. Cost for adding the equipment necessary is \$35,000 per laboratory with about 75 % of the labs needing to add the capability.
 - c. TTHM – replace EPA method 551 with 551.1. Many laboratories use a different method for TTHM or could easily accommodate the change to 551.1. No additional costs are anticipated for this change.
 - d. HAAs – EPA method 551.1 or 551.2 or Standard Method 6251 B. Most laboratories that already do TTHM or pesticides would already have the basic equipment necessary to run HAAs. An additional detector could be required at a cost of \$7,000 per laboratory with about 50 % of the labs needing to add the detector.
2. There will be an additional \$1,000 cost in manpower and materials to develop and document each new method and establish the detection limits.
3. Operational testing: It is assumed that the systems covered by the rule will already have a spectrophotometer based field kit and are performing measurement of chlorine residuals and other operational tests necessary, so no capital cost to water systems would result from the new operational testing methods.

**FISCAL NOTE
PRIVATE ENTITY COST**

I. RULE NUMBER

Title: 10
 Division: 60
 Chapter: 5
 Type of Rulemaking: Proposed Amendment
 Rule Number and Name: 10 CSR 60-5.010 Accepted and Alternate Procedures for Analyses

II. SUMMARY OF FISCAL IMPACT

Estimate of the number of entities by class which would likely be affected by the adoption of the proposed rule:	Classification by types of the business entities which would likely be affected:	Estimate in the aggregate as to the cost of compliance with the rule by the affected entities:
8	Private laboratories	Total Aggregate Cost =\$432,000

III. WORKSHEET

The estimated costs associated with new and updated analytical methods for disinfection by-products and associated operational tests were calculated as follows:

The 8 private laboratories currently certified by DNR for chemical analysis are estimated to have \$432,000 in increased costs to adopt the new methods.

Bromate, Bromide, Chlorite - \$46,000/lab X 4 labs = \$184,000

DOC and TOC - \$36,000/lab X 6 labs = \$216,000

TTHM - \$0

HAAAs - \$8,000/lab X 4 labs = \$32,000

IV. ASSUMPTIONS

1. The changes in the regulation add new and updated accepted methods for disinfection by-products and operational monitoring related to disinfectant by-product control. Laboratories will have to add equipment to be able to perform the analyses.

- a. Bromate, Bromide, Chlorite - EPA methods 300.0 or 300.1. All the laboratories may not have this capability since the methods are used for only a few other contaminants. Cost for adding the equipment necessary is \$45,000 per laboratory with about 50 % of the labs needing to add the capability.
 - b. DOC and TOC – Standard Methods 5310 B or D. The laboratories may not have this capability since this is the first time such analyses have been required for drinking water. Cost for adding the equipment necessary is \$35,000 per laboratory with about 75 % of the labs needing to add the capability.
 - c. TTHM – replace EPA method 551 with 551.1. Many laboratories use a different method for TTHM or could easily accommodate the change to 551.1. No additional costs are anticipated for this change.
 - d. HAAs – EPA method 551.1 or 551.2 or Standard Method 6251 B. Most laboratories that already do TTHM or pesticides would already have the basic equipment necessary to run HAAs. An additional detector could be required at a cost of \$7,000 per laboratory with about 50 % of the labs needing to add the detector.
2. There will be an additional \$1,000 cost in manpower and materials to develop and document each new method and establish the detection limits.
 3. Operational testing: It is assumed that the systems covered by the rule will already have a spectrophotometer based field kit and are performing measurement of chlorine residuals and other operational tests necessary, so no capital cost to water systems would result from the new operational testing methods.

**Title 11—DEPARTMENT OF PUBLIC SAFETY
Division 50—Missouri State Highway Patrol
Chapter 2—Motor Vehicle Inspection Division**

PROPOSED AMENDMENT

11 CSR 50-2.080 Licensing of Inspector/Mechanics. The division proposes to amend section (7) and to delete the forms following the rule from the *Code of State Regulations*.

PURPOSE: This proposed amendment deletes reference to the permit issued to emission certified mechanics due to recent changes in the administration of the emission program and deletes trailers from having to be safety inspected.

(7) [Three (3)] **Two (2)** types of inspector/mechanic permits are available—a permit that restricts the inspector/mechanic to motorcycle and motor tricycle inspections only[,] and a permit that authorizes an inspector/mechanic to safety inspect motor vehicles [and trailers; and a permit that authorizes an inspector/mechanic to perform safety and emissions inspections utilizing the Missouri Analyzer System (MAS)].

AUTHORITY: section 307.360, RSMo 1994. Original rule filed Nov. 4, 1968, effective Nov. 14, 1968. For intervening history, please consult the *Code of State Regulations*. Amended: Filed Feb. 1, 2000.

PUBLIC COST: This proposed amendment will not cost state agencies or political subdivisions more than \$500 in the aggregate.

PRIVATE COST: This proposed amendment will not cost private entities more than \$500 in the aggregate.

NOTICE TO SUBMIT COMMENTS: Anyone may file a statement in support of or in opposition to this proposed amendment with the Department of Public Safety, Missouri State Highway Patrol, P.O. Box 568, Jefferson City, MO 65102-0568. To be considered, comments must be received within thirty days after publication of this notice in the *Missouri Register*. No public hearing is scheduled.

**Title 11—DEPARTMENT OF PUBLIC SAFETY
Division 50—Missouri State Highway Patrol
Chapter 2—Motor Vehicle Inspection Division**

PROPOSED AMENDMENT

11 CSR 50-2.090 Inspection Station Operational Requirements. The division proposes to amend sections (5) and (10).

PURPOSE: This proposed amendment deletes reference to some of the operational requirements for inspection stations due to recent changes in the administration of the emission program.

(5) No owner, operator or employee of an inspection station shall furnish, loan, give or sell an approval certificate, inspection sticker or decal to any person except those entitled to receive it. [Only Missouri Analyzer System (MAS)-qualified inspector/mechanics may issue MAS certificates or safety and emissions stickers, or both.]

(10) Inspection stickers, decals, and MVI-2s (see 11 CSR 50-2.120) [and MAS certificates] will be kept under lock to prevent them from being lost, damaged or stolen. If stickers, decals, or MVI-2s [or MAS certificates] are lost, damaged or stolen, they shall be reported immediately to the Missouri State Highway Patrol.

AUTHORITY: section 307.360, RSMo 1994. Original rule filed Nov. 4, 1968, effective Nov. 14, 1968. For intervening history,

please consult the *Code of State Regulations*. Amended: Filed Feb. 1, 2000.

PUBLIC COST: This proposed amendment will not cost state agencies or political subdivisions more than \$500 in the aggregate.

PRIVATE COST: This proposed amendment will not cost private entities more than \$500 in the aggregate.

NOTICE TO SUBMIT COMMENTS: Anyone may file a statement in support of or in opposition to this proposed amendment with the Department of Public Safety, Missouri State Highway Patrol, P.O. Box 568, Jefferson City, MO 65102-0568. To be considered, comments must be received within thirty days after publication of this notice in the *Missouri Register*. No public hearing is scheduled.

**Title 11—DEPARTMENT OF PUBLIC SAFETY
Division 50—Missouri State Highway Patrol
Chapter 2—Motor Vehicle Inspection Division**

PROPOSED AMENDMENT

11 CSR 50-2.100 Requisition of Inspection Stickers and Decals. The division proposes to amend sections (1) and (2).

PURPOSE: This proposed amendment changes the price charged for inspections stickers and decals due to recent legislative changes effective July 1, 2000.

(1) Inspection stickers will be used on the windshield of passenger and commercial motor vehicles. Inspection stickers will be sold only in complete books of twenty (20) stickers at a cost of [fifteen dollars (\$15)] **thirty dollars (\$30)** per book. These stickers will be valid for any one (1) of the calendar years shown.

(2) Inspection decals will be used for motorcycle inspections and trailer verifications. Inspection decals will be sold only in complete books of twenty (20) decals at a cost of [fifteen dollars (\$15)] **thirty dollars (\$30)** per book. These decals are valid for any one (1) of the calendar years shown.

AUTHORITY: section 307.360, RSMo 1994. Original rule filed Nov. 4, 1968, effective Nov. 14, 1968. For intervening history, please consult the *Code of State Regulations*. Amended: Filed Feb. 1, 2000.

PUBLIC COST: This proposed amendment will not cost state agencies or political subdivision more than \$500 in the aggregate.

PRIVATE COST: This proposed amendment will not cost private entities more than \$500 in the aggregate.

NOTICE TO SUBMIT COMMENTS: Anyone may file a statement in support of or in opposition to this proposed amendment with the Department of Public Safety, Missouri State Highway Patrol, P.O. Box 568, Jefferson City, MO 65102-0568. To be considered, comments must be received within thirty days after publication of this notice in the *Missouri Register*. No public hearing is scheduled.

**Title 11—DEPARTMENT OF PUBLIC SAFETY
Division 50—Missouri State Highway Patrol
Chapter 2—Motor Vehicle Inspection Division**

PROPOSED AMENDMENT

11 CSR 50-2.150 Brake Performance. The division proposes to amend subsection (1)(C).

PURPOSE: This amendment defines a procedure to be followed when brake testing machines are used as part of the brake test and is necessary due to recent legislative changes effective July 1, 2000.

(1) A brake performance test shall be performed by an inspector/mechanic on all single unit motor vehicles equipped with mechanical, hydraulic or power assisted hydraulic service brakes. The brake performance test may be conducted by using any one (1) of the following procedures: a decelerometer test, a drive and stop test, a brake testing machine, or a dynamometer test. The selected test shall be conducted on the inspection station premises.

(C) Brake Testing Machine. Drive vehicle onto brake testing machine. Apply brakes firmly at a speed from four to eight (4-8) mph without wheel lock-up. **If a computerized brake testing machine is utilized, a copy of the results will be provided to the vehicle owner.**

1. Reject vehicle if:

A. The vehicle is not capable of developing evaluated braking force equal to or greater than that shown for its classification as prescribed in Table I. At least three (3) tests should be made before a vehicle is rejected;

B. Any wheel fails to indicate braking action;

C. The reading on any one (1) wheel is less than seventy-five percent (75%) of the reading on the other wheel on the same axle; *or*

D. The braking force of both wheels on one (1) axle is more than seventy-five percent (75%) of the total force of all the wheels.; *or*

E. Master cylinder gasket is torn or misshaped.

AUTHORITY: section 307.360, RSMo 1994. Original rule filed Nov. 4, 1968, effective Nov. 14, 1968. For intervening history, please consult the Code of State Regulations. Emergency amendment filed Feb. 1, 2000, effective July 1, 2000, expires Dec. 27, 2000. Amended: Filed Feb. 1, 2000.

PUBLIC COST: This proposed amendment will not cost state agencies or political subdivisions more than \$500 in the aggregate.

PRIVATE COST: This proposed amendment will not cost private entities more than \$500 in the aggregate.

NOTICE TO SUBMIT COMMENTS: Anyone may file a statement in support of or in opposition to this proposed amendment with the Department of Public Safety, Missouri State Highway Patrol, P.O. Box 568, Jefferson City, MO 65102-0568. To be considered, comments must be received within thirty days after publication of this notice in the Missouri Register. No public hearing is scheduled.

Title 11—DEPARTMENT OF PUBLIC SAFETY Division 50—Missouri State Highway Patrol Chapter 2—Motor Vehicle Inspection Division

PROPOSED AMENDMENT

11 CSR 50-2.160 Brake Components. The division proposes to amend section (2).

PURPOSE: This amendment details the procedure to follow if the brake performance test is conducted on a computerized brake testing machine allowed by recent legislative changes effective July 1, 2000.

(2) Drums, Discs, and Internal Brake Components. At least one (1) front or one (1) rear wheel and drum must be removed on each passenger vehicle, one-half (1/2) ton and three-quarter (3/4) ton pickup trucks, or similar type vehicles not equipped with dual rear wheels. Only the wheel must be removed on vehicles equipped with disc brakes. Identification marks shall be made on the wheel and lug before removal so the wheel can be remounted in the same

position to insure wheel balance. On drum brake systems, a new cotter pin must always be used when remounting a wheel and drum. **The removal of a wheel and/or drum is not required if the brake performance test has been administered using an approved computerized brake testing machine. When an approved computerized brake testing machine is used, and no wheel is removed, the inspector shall mark through the space on the MVI-2 form provided for "Brake Inspected" with the letters "CBTM."** When removal of a wheel is required, a wheel appearing to leak brake fluid or grease, shall be the wheel removed to inspect for contamination. Wheels on four (4)-wheel drive vehicles equipped exclusively with drum-type brakes are not required to be removed.

AUTHORITY: section 307.360, RSMo 1994. Original rule filed Nov. 4, 1968, effective Nov. 14, 1968. For intervening history, please consult the Code of State Regulations. Emergency amendment filed Feb. 1, 2000, effective July 1, 2000, expires Dec. 27, 2000. Amended: Filed Feb. 1, 2000.

PUBLIC COST: This proposed amendment will not cost state agencies or political subdivisions more than \$500 in the aggregate.

PRIVATE COST: This proposed amendment will not cost private entities more than \$500 in the aggregate.

NOTICE TO SUBMIT COMMENTS: Anyone may file a statement in support of or in opposition to this proposed amendment with the Department of Public Safety, Missouri State Highway Patrol, P.O. Box 568, Jefferson City, MO 65102-0568. To be considered, comments must be received within thirty days after publication of this notice in the Missouri Register. No public hearing is scheduled.

Title 11—DEPARTMENT OF PUBLIC SAFETY Division 50—Missouri State Highway Patrol Chapter 2—Motor Vehicle Inspection Division

PROPOSED AMENDMENT

11 CSR 50-2.290 Fuel [Tank] System. The division proposes to amend the rule title, amend section (1), amend subsections (2)(A) and (2)(B), amend section (3), and amend subsections (4)(A) and (4)(B).

PURPOSE: This amendment requires the inspection of the entire fuel system and not just the fuel tank because of recent legislative changes effective July 1, 2000.

(1) Inspect the fuel tank(s), fuel lines **and** connections *[at the fuel tank(s)]*, filler tube, and filler tube cap on gasoline or diesel fueled vehicles.

(2) Reject vehicle if:

(A) There is fuel leakage *[in the fuel line connections]* at *[the tank(s)]* **any location**;

(B) Fuel tank is not securely attached *[or leaks]*; *or*

(3) Inspect Compressed Fuel Systems *[Tank(s) and fuel line connections at the fuel tank(s)]*. Inspect for the decal issued by the Division of Weights and Measures, Department of Agriculture on liquefied petroleum gas (LPG) systems.

(4) Reject compressed fuel systems if:

(A) There is fuel leakage *[in the fuel line connections]* at *[the tank(s)]* **any location**;

(B) Fuel tank is not securely attached *[or leaks]*; *or*

AUTHORITY: section 307.360, RSMo 1994. Original rule filed Nov. 9, 1971, effective Nov. 19, 1971. For intervening history, please consult the Code of State Regulations. Emergency amendment filed Feb. 1, 2000, effective July 1, 2000, expires Dec. 27, 2000. Amended: Filed Feb. 1, 2000.

PUBLIC COST: This proposed amendment will not cost state agencies or political subdivisions more than \$500 in the aggregate.

PRIVATE ENTITY COST: This proposed amendment will not cost private entities more than \$500 in the aggregate.

NOTICE TO SUBMIT COMMENTS: Anyone may file a statement in support of or in opposition to this proposed amendment with the Department of Public Safety, Missouri State Highway Patrol, P.O. Box 568, Jefferson City, MO 65102-0568. To be considered, comments must be received within thirty days after publication of this notice in the *Missouri Register*. No public hearing is scheduled.

**Title 11—DEPARTMENT OF PUBLIC SAFETY
Division 50—Missouri State Highway Patrol
Chapter 2—Motor Vehicle Inspection Division**

PROPOSED AMENDMENT

11 CSR 50-2.320 School Bus Inspection. The division proposes to amend section (9), subsections (9)(A) and (9)(C), to add a new subsection (9)(B) and to reletter old subsection (9)(B) to (9)(C). The division also proposes amendments to section (16), subsections (16)(A) and adding new paragraph (16)(B)5. and new subsection (22)(K).

PURPOSE: This proposed amendment is consistent with recent legislative changes effective July 1, 2000 requiring the inspection of not only emergency doors but also exits on school buses. Also, the inspection of fuel tanks has been expanded to include the entire fuel system.

(9) Emergency Door(s), Exits and Buzzer.

(A) All school buses shall be equipped with an emergency door or exit located in the rear and may be equipped with [an] additional emergency doors and exits on the left or right side of the school bus. The emergency door shall be designed to be opened from inside and outside. The device used to open the door from the outside shall be designed to prevent hitching to, but one which permits opening when necessary. The rear emergency door latch shall be equipped with an interior handle that lifts upward to release and [it] all emergency doors and exits shall be equipped with a suitable electric [plunger-type] switch connected with a buzzer audible in the driver compartment. The switch shall be installed in a manner that any movement of the slide bar or release mechanism will immediately sound the buzzer. [The words EMERGENCY DOOR shall be placed inside and outside in letters at least two inches (2") high directly above the emergency door or displayed on the uppermost part of the door or door glass.] All emergency doors and exits shall be identified by the words EMERGENCY DOOR or EMERGENCY EXIT both inside and outside the bus in letters two inches (2") high in the immediate area of the door or exit. A metal guard shall be placed over the door control on the inside of a rear door. The passageway to the emergency door shall be at least twelve inches (12") wide on all school buses. Type A school buses designed as 1974 or later models must be equipped with an emergency door buzzer. A lock may be placed on [the] an emergency door or exit. [only if] However, the engine starting and operating system [will] must not function if [the] any emergency door or exit is locked from either the inside or outside of the bus.

(B) Inspect all emergency door(s) and exits for operation by opening and closing and for proper lettering.

[(B)](C) Reject vehicle if the:

1. Doors or exits bind or catch when opening;

[1.]2. Passageway to the emergency door is blocked or restricted in any way to less than twelve inches (12") in width;

[2.]3. Any emergency [D]door [and] or exit release mechanism fails to work properly, from the inside or outside the bus;

[3.]4. Slide bar on Types B, C, and D buses has less than one inch (1") stroke length;

[4.]5. Buzzer fails to sound or is not audible in the driver's compartment or in the vicinity of the emergency door when the slide bar is moved;

[5.]6. Words EMERGENCY DOOR or EMERGENCY EXIT are not properly displayed; or

[6.]7. Bus engine will start with emergency door(s) or exits locked.

(16) Fuel [Tank(s)] System.

(A) Inspect the entire liquefied petroleum gas (LPG) system [tank(s) and fuel lines connections at the tank(s), and venting].

(B) Reject vehicle if:

1. Fuel tank(s) is not securely attached to the outside of the frame rail by a system other than welding. If saddle clamps are used, on buses after December 31, 1989, either at time of assembly or replacement, each tank must be attached with a minimum of two (2) clamps which are a minimum of three-eighths inch by two inch (3/8" × 2") steel;

2. The safety relief venting system is absent, damaged or designed so that escaping gas is directed other than upwards within forty-five degrees (45°) of the vertical (outside the bus body);

3. The safety relief venting system does not have a functional pressure sensitive closing device (cap); [or]

4. The fuel tank(s) or any part of the fuel system is the lowest point of the vehicle [./]; or

5. There are leaks at any location.

(22) Out-of-Service Criteria. The following items will result in buses being put out-of-service until needed repairs are made. These criteria will be used only by Missouri State Highway Patrol personnel and are not applicable at official inspection stations:

(I) If the one-half inch (1/2") hex nut attached to one (1) end of a one-eighth inch (1/8") drawstring catches on the handrail and lodges between the handrail mounting bracket and the sheet metal body of the bus or the drawstring catches during the handrail drawstring test; [or]

(J) If not equipped with the crossing arm as required or if the crossing arm does not operate when the stop signal arm and overhead warning flashers are activated [./]; or

(K) If fuel is leaking from any part of the fuel system.

AUTHORITY: sections 307.360.2, RSMo 1994 and 307.375, RSMo [Supp. 1998] Supp. 1999. Original rule filed Nov. 4, 1968, effective Nov. 14, 1968. For intervening history, please consult the Code of State Regulations. Amended: Filed Feb. 1, 2000.

PUBLIC COST: This proposed amendment will not cost state agencies or political subdivisions more than \$500 in the aggregate.

PRIVATE COST: This proposed amendment will not cost private entities more than \$500 in the aggregate.

NOTICE TO SUBMIT COMMENTS: Anyone may file a statement in support of or in opposition to this proposed amendment with the Department of Public Safety, Missouri State Highway Patrol, P.O. Box 568, Jefferson City, MO 65102-0568. To be considered, comments must be received within thirty days after publication of this notice in the *Missouri Register*. No public hearing is scheduled.

**Title 11—DEPARTMENT OF PUBLIC SAFETY
Division 50—Missouri State Highway Patrol
Chapter 2—Motor Vehicle Inspection Division**

PROPOSED AMENDMENT

11 CSR 50-2.430 Verification of Homemade Trailers. The division proposes to amend subsections (6)(A)–(6)(C).

PURPOSE: This proposed amendment deletes reference to emissions forms which are now obsolete due to recent changes in the administration of the emission program.

(6) Forms Procedure.

(A) List the trailer owner's name, street, city and county in the appropriate spaces on the MVI-2 form (see 11 CSR 50-2.120). *[or location required on the computerized emission analyzer form. When using the manual form and]* If the trailer is determined to be homemade write the word "Homemade" in the space for make, cross through the space for year and vehicle identification number (VIN). Either write the words "Trailer Verification" in large letters across the form in the space for defective part or check the applicable box on the MVI-2 form. Complete the MVI-2 form in the normal manner. *[When using the computerized form, select the word "Homemade" and continue to fill in any required fields.]*

(B) Issue a trailer decal for the trailer listing the decal number in the appropriate space on the MVI-2 form *[or location printed on the computerized emission analyzer form]*. In addition to punching the decal for the month and year, also punch the decal through the words "Safety Inspected" to indicate the decal has been issued for a trailer verification. Immediately affix the decal to the trailer near the left front or on the left side of the trailer tongue.

(C) If the trailer is determined to be one made by a regular manufacturer, list the trailer make and VIN in the appropriate space on the MVI-2 form *[or location required on the computerized emission analyzer form]*. Fill in the year of the trailer, if known. Issue a decal for the trailer as indicated in subsection (6)(B). If a Department of Revenue special number has been previously issued for the trailer, list the number on the MVI-2 form in the space for Defective Part *[or on the computerized analyzer form, write the number in the center of the blank space above the inspector mechanic's signature]*.

AUTHORITY: sections 301.380, RSMo Supp. 1999 and 307.360, RSMo 1994. Emergency rule filed Aug. 15, 1984, effective Sept. 1, 1984, expired Dec. 30, 1984. Original rule filed Sept. 12, 1984, effective Jan. 1, 1985. For intervening history, please consult the Code of State Regulations. Amended: Filed Feb. 1, 2000.

PUBLIC COST: This proposed amendment will not cost state agencies or political subdivision more than \$500 in the aggregate.

PRIVATE COST: This proposed amendment will not cost private entities more than \$500 in the aggregate.

NOTICE TO SUBMIT COMMENTS: Anyone may file a statement in support of or in opposition to this proposed amendment with the Department of Public Safety, Missouri State Highway Patrol, P.O. Box 568, Jefferson City, MO 65102-0568. To be considered, comments must be received within thirty days after publication of this notice in the Missouri Register. No public hearing is scheduled.

**Title 11—DEPARTMENT OF PUBLIC SAFETY
Division 50—Missouri State Highway Patrol
Chapter 2—Motor Vehicle Inspection Division**

PROPOSED AMENDMENT

11 CSR 50-2.440 Vehicle Identification Number and Odometer Reading Verification. The division proposes to amend subsection (6)(A).

PURPOSE: This proposed amendment deletes reference to emission forms which are now obsolete due to recent changes in the administration of the emission program.

(6) Forms Procedure.

(A) List the motor vehicle owner's name, street, city and county in the appropriate spaces on the MVI-2 form (see 11 CSR 50-2.120). If the VIN and odometer reading are correctly displayed, either write the words "ID/OD Verification" in large letters across the form in the space for defective part or check the applicable box on the MVI-2 form. Complete the MVI-2 form in the normal manner. *[Stations using the Missouri Analyzer System (MAS) shall enter the information in the analyzer as required and issue the MAS Certificate.]*

AUTHORITY: sections 301.190 and 307.190, RSMo Supp. 1999 and 307.360, RSMo 1994. Original rule filed May 21, 1986, effective Aug. 25, 1986. For intervening history, please consult the Code of State Regulations. Amended: Filed Feb. 1, 2000.

PUBLIC COST: This proposed amendment will not cost state agencies or political subdivision more than \$500 in the aggregate.

PRIVATE COST: This proposed amendment will not cost private entities more than \$500 in the aggregate.

NOTICE TO SUBMIT COMMENTS: Anyone may file a statement in support of or in opposition to this proposed amendment with the Department of Public Safety, Missouri State Highway Patrol, P.O. Box 568, Jefferson City, MO 65102-0568. To be considered, comments must be received within thirty days after publication of this notice in the Missouri Register. No public hearing is scheduled.

**Title 12—DEPARTMENT OF REVENUE
Division 10—Director of Revenue
Chapter 23—Motor Vehicle Bureau**

PROPOSED AMENDMENT

12 CSR 10-23.100 Personalized License Plates. The director proposes to amend several sections of this rule, add new sections, and renumber existing sections, in addition to replacing the form published at the end of this rule.

PURPOSE: This proposed amendment establishes uniform categories of special personalized license plates and outlines the requirements for biennial registrations for special license plates.

(1) For the purpose of this rule, "special license plates" shall include personalized, collegiate, helping schools and other special organizational license plates.

[(1)] (2) [Personalized] Special license plates[, including collegiate license plates,] are Missouri license plates containing letters or numbers [or combinations of letters and numbers which are issued to an applicant requesting a particular and specialized arrangement of letters, numbers or combinations of letters and numbers] in the format requested by the applicant. The combination of letters and/or numbers may include one apostrophe (') or one dash (-).

[(2) The letters or numbers or combinations of letters and numbers on personalized license plates, shall not exceed six (6) characters in length, in addition to a dash or an apostrophe; except that motorcycle, motortricycle, Purple Heart, collegiate and disabled persons' personalized license plates shall be limited to five (5) characters in length. If the applicant chooses to include a dash (-) or an apostrophe (') in the letters or numbers or combination of letters and numbers, on a Purple Heart, collegiate or disabled person personalized plate then the character length shall be restricted to four (4).]

[(3) Collegiate license plates may be issued to any motor vehicle subject to the registration fees according to horsepower, as provided in section 301.055, RSMo, or to beyond local property-carrying commercial motor vehicles licensed for a gross weight not to exceed twelve thousand pounds (12,000 lbs.), as provided in section 301.057, RSMo. Other personalized license plates may be issued to any motor vehicle, other than a commercial motor vehicle licensed for more than twelve thousand pounds (12,000 lbs.), in any one (1) of the following categories:

(A) Motorcycle and Motortricycles—regular plate, disabled veteran plate and disabled person plate, former Prisoner of War (POW) plate, historic plate, national guard plate and fire department plate;

(B) Recreational Motor Vehicles—regular plate, disabled person plate, national guard plate, Purple Heart plate and fire department plate;

(C) All Other Motor Vehicles Other Than Commercial Motor Vehicles—regular plate, disabled person plate, disabled veteran plate, street rod plate, former POW plate, historic plate, national guard plate, Pearl Harbor survivor, military reserve, Purple Heart plate and fire department plate;

(D) Commercial Motor Vehicles Licensed for Twelve Thousand Pounds (12,000 lbs.) or Less—local plate, beyond local plate, disabled veteran plate, disabled person plate, street rod plate, former POW plate, national guard plate, Purple Heart plate, fire department plate;

(E) Commercial Motor Vehicles Licensed for Beyond Local Twelve Thousand Pounds (12,000 lbs.)—Pearl Harbor survivor and military reserve plate;

(F) Shuttle Bus—regular plate;

(G) Van Pool—regular plate; and

(H) Historic—regular plate.]

(3) All special personalized license plates are available in the following plate categories:

(A) Passenger;

(B) Recreational Vehicle;

(C) Local 6;

(D) Local 12;

(E) Beyond Local 6;

(F) Beyond Local 12;

(G) Motorcycle/Motortricycle;

(H) Local and Beyond Local 18—Professional Sports Team license plates only;

(I) Shuttle Bus—regular personalized plates only;

(J) Van Pool—regular personalized plates only; and

(K) Historic—regular personalized plates only.

[(4) The decision of the director of revenue as to whether a motor vehicle is a commercial motor vehicle licensed for more than twelve thousand pounds (12,000 lbs.) for the purpose of registration shall be final and conclusive.]

[(5)] (4) No [personalized] special license plate[, including collegiate license plates,] will be issued which will conflict with any license number used or to be used in the regular license plate numbering system. [Example: No personalized license plate containing numbers only will be issued with more than four (4) characters and no personalized license plate will be issued containing one (1) letter followed by more than three (3) numbers and no plates will be issued containing a number immediately preceded by the letter D as the first character in the combination.]

[(6)] (5) No two (2) owners shall be issued identical plates; and no plates shall be issued containing or suggesting any profane or obscene word or phrase.

[(7)] (6) No refunds will be made on the unused portion of any license plates surrendered for [personalized] special license plates[, including collegiate license plates].

[(8)] (7) [Personalized] Special license plates[, including collegiate license plates,] are not assigned to a particular vehicle until the plates are actually issued to the owner of that vehicle by the Department of Revenue.

[(9)] (8) [Personalized] Special license plates[, including collegiate license plates,] shall not be transferred from one (1) owner to another, except that the holder of a [personalized] special plate may follow the procedures established by the director in order to display his/her [personalized] special plate on a vehicle leased by the holder after approval by the director; and they shall not be transferred from one (1) vehicle category to another. This includes any request for transfer by gift, trust, will or judicial proceeding.

[(10)] (9) The director of revenue shall reserve the right to approve or disapprove any request for [personalized] special license plates[, including collegiate license plates,] or the transfer of license plates from one (1) vehicle to another in the same category.

[(11) The director of revenue may reject and return any original application or reapplication (renewal) which is incomplete.

(12) The month of expiration on all personalized license plates will be July of each year, except for motorcycles, motortricycles, special personalized license plates issued to members of the United States Congress, Missouri State Senate, Missouri House of Representatives and the following statewide elected officials: governor, lieutenant governor, secretary of state, state auditor, state treasurer and attorney general in accordance with section 301.144, RSMo and collegiate license plates.]

[(13)] (10) The month of expiration on all [personalized] special license plates for motorcycles and motortricycles will be April of each year. Special [personalized] license plates issued to the United States Congress, Missouri State Senate, Missouri House of Representatives and the following statewide elected officials: governor, lieutenant governor, secretary of state, state auditor, state treasurer and attorney general, which are issued in accordance with section 301.144, RSMo will expire in January of each year. The month of expiration on all other [collegiate license plates will be October of each year] special license plates shall be staggered.

[(14)] (11) Any person [desiring] wanting to obtain [personalized] special license plates[, including collegiate license plates,] must make original application for the plates on a form approved by the director of revenue and shall pay a fee of fifteen dollars (\$15) in addition to the regular registration fees. **If at the time of registration the applicant applies for a biennial registration, s/he must submit a second special/personalized license plate fee.** Application forms will be available to the public at all branch offices, fee agent offices and [Jefferson City offices] the **Central Office** of the department.

[(15)] (12) Each **initial** application for [personalized] special license plates[, including collegiate license plates,] shall be **on a form prescribed by the director and** submitted to the Department of Revenue, P.O. Box 100, Jefferson City, MO 65105-0100. Each application shall be accompanied by a [personalized] special license plate fee of fifteen dollars (\$15), **and** a current emblem-use authorization statement in the case of collegiate license plates [and shall contain the following:

(A) *The name and address of the applicant;*

(B) *The type of motor vehicle for which the personalized plates are requested;*

(C) *The letters, numbers or combination of letters and numbers desired; and*

(D) *The location of the Department of Revenue branch office or fee office at which the applicant wishes to pick up personalized license plates or, when applicable, exchange regular plates for personalized license plates].*

(13) If the applicant applies for a biennial registration at the time s/he picks up his/her special license plates, the applicant must submit a second emblem-use authorization statement indicating the minimum donation or the original emblem-use authorization statement indicating twice the annual minimum donation.

[(16)] (14) An applicant may receive his/her [personalized] special license plates[, including collegiate license plates] by surrendering his/her regular registration plates and paying any additional fees due on a prorated basis or by not surrendering his/her plates and paying the full registration fee.

[(17) Upon approval of an application for personalized license plates, including collegiate license plates, the Department of Revenue will contact the applicant with instructions as to the date and location at which the personalized plates may be obtained and the outstanding plates exchanged.

(18) An applicant may request that personalized license plates, including collegiate license plates, be issued to any particular motor vehicle which s/he owns, other than a commercial vehicle licensed for more than twelve thousand pounds (12,000 lbs.), provided that the vehicle is of a category for which the personalized plates were manufactured.]

*[(19)] (15) Once an owner obtains [personalized] special license plates[, including collegiate license plates,] s/he shall have first priority on those plates for each of the following years that s/he makes timely and appropriate reapplication (renewal) for those plates and pays the annual special plate fee of fifteen dollars (\$15) or thirty dollars (\$30) for a biennial registration and any [special] personalized plate fee required by law, in addition to the regular registration fees. [and for] Applicants who renew collegiate license plates, helping schools and special organizational license plates must also submit/s] a new emblem-use authorization statement. **At the time of renewal, if the applicant elects a biennial registration, s/he must present an emblem use statement that reflects at least twice the amount of the annual donation.***

[(20)] (16) [Personalized] Special license plates[, including collegiate license plates,] for which the Department of Revenue has not received a reapplication (renewal) will be held for sixty (60) days from the date of expiration before being issued to a new applicant.

[(21) Original applications except for motorcycle, motortricycle, collegiate license plates and special personalized license plates issued to members of the United States Congress, Missouri State Senate, Missouri House of Representatives and for the following statewide elected officials: governor, lieutenant governor, secretary of state, state auditor, state treasurer and attorney general, in accordance with section 301.144, RSMo, filed prior to March 1 of any calendar year shall be treated as applications for personalized license plates with an expiration month of the coming July. Original applications except for motorcycle, motortricycle, collegiate license plates and special personalized license plates issued to members of

the United States Congress, Missouri State Senate, Missouri House of Representatives and the following statewide elected officials: governor, lieutenant governor, secretary of state, state auditor, state treasurer and attorney general in accordance with section 301.144, RSMo, filed after the last day of February of any calendar year will be treated as applications for personalized license plates to be issued in the coming July with an expiration month of the succeeding July.

(A) Example One: Original application filed on February 29, 1984, will result in personalized license plates which expire in July of 1984.

(B) Example Two: Original application filed on March 1, 1984, will result in personalized license plates issued in July of 1984 with an expiration month of July 1985.]

[(22)] (17) Original applications for [personalized] special license plates for motorcycles and motortricycles filed prior to January 1 of any calendar year shall be treated as applications for [personalized] special license plates with an expiration month of the coming April. Original applications for [personalized] special license plates for motorcycles and motortricycles filed after December 31 of any calendar year will be treated as applications for [personalized] special license plates to be issued in the coming April with an expiration month of the next succeeding April.

(A) Example One: Original application filed on December 31, [1983] 1999, will result in [personalized] special license plates which expire in April of [1984] 2000.

(B) Example Two: Original application filed on January 1, [1984] 2000, will result in [personalized] special license plates issued in April of [1984] 2000 with an expiration month of April [1985] 2001.

*[(23)] (18) Original applications for special [personalized] license plates issued to members of the United States Congress, Missouri State Senate, Missouri House of Representatives and for the following statewide elected officials: governor, lieutenant governor, secretary of state, state auditor, state treasurer and attorney general, in accordance with section 301.144, RSMo, filed prior to October 1 of any calendar year shall be treated as applications for special [personalized] license plates with an expiration month of the coming January, **while applications]. Original applications for special personalized license plates issued to members of the United States Congress, Missouri State Senate, Missouri House of Representatives and for the following statewide elected officials: governor, lieutenant governor, secretary of state, state auditor, state treasurer and attorney general, in accordance with section 301.144, RSMo,] filed after the last day of September of any calendar year will be treated as application for special [personalized] license plates to be issued in the coming January with an expiration month of the next succeeding January.***

(A) Example One: Original applications filed on September 30, [1989] 2000, will result in special [personalized] license plates which expire in January [1990] 2001.

(B) Example Two: Original applications filed on October 1, [1989] 2000, will result in special [personalized] license plates issued in January of [1990] 2001 with an expiration of January [1991] 2002.

[(24) Original applications for collegiate license plates filed prior to July 1 of any calendar year shall be treated as applications for collegiate license plates with an expiration month of the upcoming October, with the exception of plates issued during the first year of issuance (1990). In this case, applications filed prior to July 1, 1991, will result in the issuance of collegiate license plates expiring in October 1991. Original applications filed after the last day of June of any calendar year will be treated as applications for collegiate license plates to be issued in the upcoming October with an expiration month of the next succeeding October.

(A) *Example One: Original application filed between June 30, 1990, and June 30, 1991, will result in the issuance of collegiate license plates which expire in October of 1991 since the application was filed during the first year of issuance.*

(B) *Example Two: Original application filed on or after July 1, 1991, will result in collegiate license plates issued in October of 1991 which expire in October of 1992.*

(25) Reapplications (renewals) for personalized license plates, except for motorcycles, motortricycles, collegiate license plates and special personalized license plates issued to members of the United States Congress, Missouri State Senate, Missouri House of Representatives and the following statewide elected officials: governor, lieutenant governor, secretary of state, state auditor, state treasurer and attorney general, in accordance with section 301.144, RSMo, shall be filed with the Department of Revenue prior to the last day of July each year.

*[(26)] (19) Reapplications (renewals) for [personalized] special license plates [for motorcycles and motortricycles] shall be filed with the Department of Revenue prior to the last day of [April of each year] **the month in which they expire.***

[(27) Reapplications (renewals) for special personalized license plates issued to members of the United States Congress, Missouri State Senate, Missouri House of Representatives and the following statewide elected officials: governor, lieutenant governor, secretary of state, state auditor, state treasurer and attorney general, in accordance with section 301.144, RSMo, shall be filed with the Department of Revenue prior to the last day of January each year.

(28) Reapplications (renewals) for collegiate license plates shall be filed with the Department of Revenue prior to the last day of October each year.]

[(29)] (20) The director of revenue may recall any [personalized] special license plate[s, including collegiate license plates,] erroneously issued under this rule.

[(30) Applicants for any personalized license plates, including collegiate license plates, shall be required to comply with all Missouri laws and regulations relating to the titling and registration of motor vehicles.]

*AUTHORITY: sections 301.144, 301.449 and 301.451, RSMo [1994] Supp. 1999. Original rule filed Aug. 14, 1978, effective Nov. 13, 1978. For intervening history, please consult the **Code of State Regulations**. Amended: Filed Jan. 31, 2000.*

PUBLIC COST: This proposed amendment will not cost state agencies or political subdivisions more than \$500 in the aggregate.

PRIVATE COST: This proposed amendment will not cost private entities more than \$500 in the aggregate.

*NOTICE TO SUBMIT COMMENTS: Anyone may file a statement in support of or in opposition to this proposed amendment with the Department of Revenue, Office of Legislation and Regulations, P.O. Box 629, Jefferson City, MO 65105. To be considered, comments must be received within thirty days after publication of this notice in the **Missouri Register**. No public hearing is scheduled.*



MISSOURI DEPARTMENT OF REVENUE
MOTOR VEHICLE BUREAU
P.O. BOX 100, JEFFERSON CITY, MO 65105-0100 (573) 526-3669

**APPLICATION FOR MISSOURI
PERSONALIZED AND SPECIAL LICENSE PLATES**

SEE INSTRUCTIONS ON REVERSE

**"ANY FALSE STATEMENT IS A VIOLATION OF
THE LAW AND MAY BE PUNISHED BY FINE,
IMPRISONMENT, OR BOTH." (301.420 RSMO.)**

NAME MUST APPEAR AS SHOWN ON VEHICLE TITLE		DO NOT WRITE IN THIS AREA	
OWNER'S NAME			
STREET, RR, OR P.O. BOX NUMBER	CURRENT LICENSE NUMBER		
CITY, STATE, ZIP CODE	TELEPHONE NUMBER		

- New Application
 **Adding a Name
 **Dropping a Name (Release of Interest Req)
 **Name Change Only (Same Owner)

CATEGORY OF LICENSE PLATE (PLEASE CHECK WHICH CATEGORY OF LICENSE PLATE YOU NEED)

- Passenger (car)
 Beyond Local 12 Truck
 Motorcycle
 Beyond Local 6 Truck
 Local 12 Truck
 Local 6 Truck
 Recreational Vehicle

PROFESSIONAL SPORTS TEAM PLATES ONLY

- Beyond Local 18 Truck
 Local 18 Truck

TYPE OF LICENSE PLATE TO BE ISSUED (Proof of eligibility required - see reverse)

TYPE

- | | |
|--|---|
| <input type="checkbox"/> Regular Personalized (\$15)
<input type="checkbox"/> *Amateur Radio (\$15) Call Letters _____
<input type="checkbox"/> Children's Trust Fund (Regular) (\$15)
<input type="checkbox"/> Children's Trust Fund (Personalized) (\$15)
<input type="checkbox"/> Collegiate (Personalized) (\$15) College or University _____
<input type="checkbox"/> Disabled Person (Personalized) (\$15)
<input type="checkbox"/> Ducks Unlimited (Personalized) (\$15)
<input type="checkbox"/> Eastern Star (Personalized) (\$15)
<input type="checkbox"/> Emergency Medical Services (\$15)
<input type="checkbox"/> Paramedic <input type="checkbox"/> Emergency Medical Technician
<input type="checkbox"/> *Firefighter (Regular) (\$15)
<input type="checkbox"/> *Firefighter (Personalized) (\$30)
<input type="checkbox"/> Fraternal Order of Eagles (Personalized) (\$15)
<input type="checkbox"/> Helping Schools (Personalized) (\$15)
<input type="checkbox"/> Knights of Columbus (Personalized) (\$15)
<input type="checkbox"/> Legislative (\$15)
<input type="checkbox"/> Lions Club (Regular) (\$15) | <input type="checkbox"/> Lions Club (Personalized) (\$15)
<input type="checkbox"/> Masonic Grand Lodge (Personalized) (\$15)
<input type="checkbox"/> Missouri Jaycee (Regular) (\$15)
<input type="checkbox"/> Missouri Jaycee (Personalized) (\$30)
<input type="checkbox"/> Prince Hall (Personalized) (\$15)
<input type="checkbox"/> Professional Sports Team (Personalized) (\$15)
(subject to availability and minimum order requirements)
<input type="checkbox"/> Kansas City Blades <input type="checkbox"/> St. Louis Blues
<input type="checkbox"/> Kansas City Chiefs <input type="checkbox"/> St. Louis Cardinals
<input type="checkbox"/> Kansas City Royals <input type="checkbox"/> St. Louis Rams
<input type="checkbox"/> Kansas City Wizards
<input type="checkbox"/> *Street Rod (Regular) (\$15)
<input type="checkbox"/> *Street Rod (Personalized) (\$30)
<input type="checkbox"/> Shuttle Bus (\$15)
<input type="checkbox"/> Vanpool (\$15)
<input type="checkbox"/> Other _____ |
|--|---|

*APPLICATION MUST BE NOTARIZED

PERSONALIZED PLATE CHOICES (Complete only if applying for personalized plates)

PLEASE USE ALL CAPITAL LETTERS AND SHOW CHOICES IN ORDER OF PREFERENCE. (Please include more than one choice.) Personalized license plates may consist of no more than six characters or six characters plus a dash, space or an apostrophe. Personalized plates displaying an emblem, motorcycle and motortricycle plates may consist of no more than six characters or five characters plus a dash, space or an apostrophe. The wheelchair accessibility symbol is displayed on Disabled Persons plates. The Department of Revenue *will not* issue plates that contain or suggest profane, obscene or inflammatory words or phrases, those contrary to public policy, or those that conflict with the regular license numbering system.

FIRST CHOICE	SECOND CHOICE	THIRD CHOICE	FOURTH CHOICE	FIFTH CHOICE	SIXTH CHOICE

LICENSE OFFICE INFORMATION AND SIGNATURE (Must be completed by all applicants)

IMPORTANT: These license plates will not be mailed. Indicate name of license office where plates are to be picked up.

OFFICE	OFFICE NUMBER	I hereby apply for the personalized or special license plate indicated to be issued to the vehicle owner listed above.
STREET	CITY	
		SIGNATURE OF OWNER OR APPLICANT X

NOTARY INFORMATION (Must be completed if applying for amateur radio, fire department or street rod plates)

NOTARY PUBLIC EMBOSSEER OR BLACK RUBBER STAMP SEAL	STATE OF	COUNTY (OR CITY OF ST. LOUIS)
	SUBSCRIBED AND SWORN BEFORE ME, THIS	
	DAY OF	YEAR
	NOTARY PUBLIC SIGNATURE	MY COMMISSION EXPIRES
NOTARY PUBLIC NAME (TYPED OR PRINTED)		
USE RUBBER STAMP IN CLEAR AREA BELOW.		

INSTRUCTIONS TO APPLICANT

Applications must be completed, signed and submitted with the fee noted on the front of the application. This annual fee is in addition to the regular registration fee set by law and is payable upon renewal. Depending on the type of license plates requested, additional documentation may be required as noted below. Make check or money order (do not send cash) payable to the Missouri Department of Revenue and forward with this application to: MISSOURI DEPARTMENT OF REVENUE, MOTOR VEHICLE BUREAU, PERSONALIZED LICENSE PLATE SECTION, P.O. BOX 100, 301 W. HIGH ST., JEFFERSON CITY, MO 65105-0100. If you have questions, call (573) 526-3669.

Special license plates are issued only to those vehicles that are titled and registered in Missouri. Any special plate issued may be adapted to include the international wheelchair accessibility symbol and the word "DISABLED"

The pink copy of the validated DOR-1716 is proof your application for license plates has been received and approved by the Department of Revenue. If you requested personalized plates, they are being manufactured. You will receive additional notification in approximately two (2) to four (4) weeks when your license plates have been forwarded to the license office you indicated on the front of this application.

NOTE: IF PERSONALIZED LICENSE PLATES ARE NOT RENEWED WITHIN 60 DAYS OF EXPIRATION THEY MAY BE REISSUED TO ANOTHER APPLICANT.

AMATEUR RADIO PLATES: Your notarized signature on the front of this application constitutes a sworn statement that you hold an unrevoked and unexpired amateur radio license and that the call letters indicated on the front of this application are the official call letters issued by the FCC. You must submit a copy of your Federal Communications License with this application.

DISABLED PERSON PLATES: A signed physician's statement, DOR-1776, from a licensed physician, chiropractor, podiatrist, or optometrist must be submitted with your application.

FIREFIGHTER PLATES: Your notarized signature on the front of this application constitutes a sworn statement that you are a director of a fire protection district, or are compensated, partially compensated or a volunteer member of any fire department, fire protection district or voluntary fire protection association in Missouri. You further affirm that if you resign, are removed, or otherwise terminate association with the fire department, you will return your special license plates to the Department within fifteen (15) days.

STREET ROD PLATES: Your notarized signature on the front of this application constitutes a sworn statement that this vehicle was manufactured in 1948 or before and has been modified for safe road use including but not limited to modification to the drive train, suspension, brake system, and safety or comfort apparatus and which is not owned solely as a collector's item and which is not or intended to be used solely for exhibition and educational purposes. This registration is not transferable. If the vehicle is disposed of, plates must be returned to the Department of Revenue for cancellation.

MISSOURI JAYCEES PLATES: You must submit proof of membership in the form of a membership identification card.

CHILDREN'S TRUST FUND, COLLEGIATE, DUCKS UNLIMITED, EASTERN STAR, EMERGENCY MEDICAL SERVICES, FRATERNAL ORDER OF EAGLES, HELPING SCHOOLS, KNIGHTS OF COLUMBUS, LIONS CLUB, MASONIC GRAND LODGE, PRINCE HALL, AND PROFESSIONAL SPORTS TEAM: You must submit an Emblem/Logo Use Authorization Statement from the organization, college or university as proof of a donation.

NOTE: PROFESSIONAL SPORTS TEAM LICENSE PLATE: The Department of Revenue must receive a minimum of one hundred applications for each specific professional sports team before producing the license plates.