



# California Regulatory Notice Register

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The *California Regulatory Notice Register* is an official state publication of the Office of Administrative Law containing notices of proposed regulatory actions by state regulatory agencies to adopt, amend or repeal regulations contained in the California Code of Regulations. The effective period of a notice of proposed regulatory action by a state agency in the *California Regulatory Notice Register* shall not exceed one year [Government Code § 11346.4(b)]. It is suggested, therefore, that issues of the *California Regulatory Notice Register* be retained for a minimum of 18 months.

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**PROPOSED ACTION ON REGULATIONS**

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**TITLE 2. FAIR POLITICAL PRACTICES COMMISSION**

NOTICE IS HEREBY GIVEN that the Fair Political Practices Commission, pursuant to the authority vested in it by Sections 82011, 87303, and 87304 of the Government Code to review proposed conflict-of-interest codes, will review the proposed/amended conflict-of-interest codes of the following:

**CONFLICT-OF-INTEREST CODES**

**AMENDMENT**

**MULTI-COUNTY:** Yosemite Community College District

**ADOPTION**

**MULTI-COUNTY:** Fall River Resource Conservation District

A written comment period has been established commencing on March 16, 2012, and closing on April 30, 2012. Written comments should be directed to the Fair Political Practices Commission, Attention Cynthia Fisher, 428 J Street, Suite 620, Sacramento, California 95814.

At the end of the 45-day comment period, the proposed conflict-of-interest code(s) will be submitted to the Commission's Executive Director for his review, unless any interested person or his or her duly authorized representative requests, no later than 15 days prior to the close of the written comment period, a public hearing before the full Commission. If a public hearing is requested, the proposed code(s) will be submitted to the Commission for review.

The Executive Director of the Commission will review the above-referenced conflict-of-interest code(s), proposed pursuant to Government Code Section 87300, which designate, pursuant to Government Code Section 87302, employees who must disclose certain investments, interests in real property and income.

The Executive Director of the Commission, upon his or its own motion or at the request of any interested person, will approve, or revise and approve, or return the proposed code(s) to the agency for revision and re-submission within 60 days without further notice.

Any interested person may present statements, arguments or comments, in writing to the Executive Director of the Commission, relative to review of the proposed conflict-of-interest code(s). Any written comments must be received no later than April 30, 2012. If a public hearing is to be held, oral comments may be presented to the Commission at the hearing.

**COST TO LOCAL AGENCIES**

There shall be no reimbursement for any new or increased costs to local government which may result from compliance with these codes because these are not new programs mandated on local agencies by the codes since the requirements described herein were mandated by the Political Reform Act of 1974. Therefore, they are not "costs mandated by the state" as defined in Government Code Section 17514.

**EFFECT ON HOUSING COSTS AND BUSINESSES**

Compliance with the codes has no potential effect on housing costs or on private persons, businesses or small businesses.

**AUTHORITY**

Government Code Sections 82011, 87303 and 87304 provide that the Fair Political Practices Commission as the code reviewing body for the above conflict-of-interest codes shall approve codes as submitted, revise the proposed code and approve it as revised, or return the proposed code for revision and re-submission.

**REFERENCE**

Government Code Sections 87300 and 87306 provide that agencies shall adopt and promulgate conflict-of-interest codes pursuant to the Political Reform Act and amend their codes when change is necessitated by changed circumstances.

**CONTACT**

Any inquiries concerning the proposed conflict-of-interest code(s) should be made to Cynthia Fisher, Fair Political Practices Commission, 428 J Street, Suite 620, Sacramento, California 95814, telephone (916) 322-5660.

AVAILABILITY OF PROPOSED  
CONFLICT-OF-INTEREST CODES

Copies of the proposed conflict-of-interest codes may be obtained from the Commission offices or the respective agency. Requests for copies from the Commission should be made to Cynthia Fisher, Fair Political Practices Commission, 428 J Street, Suite 620, Sacramento, California 95814, telephone (916) 322-5660.

**TITLE 16. BOARD OF BEHAVIORAL  
SCIENCES**

NOTICE IS HEREBY GIVEN that the Board of Behavioral Sciences (Board) is proposing to take the action described in the Informative Digest. Any person interested may present statements or arguments orally or in writing relevant to the action proposed at a hearing to be held at:

Board of Behavioral Sciences  
1625 N. Market Blvd.  
El Dorado Room, Suite 220  
Sacramento, CA 95834  
May 1, 2012  
10:00 a.m. – 11:00 a.m.

Written comments, including those sent by mail, facsimile, or e-mail to the addresses listed under Contact Person in this Notice, must be received by the Board at its office not later than 5:00 p.m. on April 30, 2012 or must be received by the Board at the hearing.

The Board, upon its own motion or at the instance of any interested party, may thereafter adopt the proposals substantially as described below or may modify such proposals if such modifications are sufficiently related to the original text. With the exception of technical or grammatical changes, the full text of any modified proposal will be available for 15 days prior to its adoption from the person designated in this Notice as contact person and will be mailed to those persons who submit written or oral testimony related to this proposal or who have requested notification of any changes to the proposal.

Authority and Reference: Pursuant to the authority vested by Sections 4990.16, 4990.18, and 4990.20 of the Business and Professions Code (B&P Code), and to implement, interpret or make specific Section 729 of said Code, Section 290 of the Penal Code, Section 11415.60 of the Government Code, and Section 44010 of the Education Code, the Board is considering changes to Division 18 of Title 16 of the California Code of Regulations as described in this Notice.

INFORMATIVE DIGEST/POLICY STATEMENT  
OVERVIEW

Business and Professions Code section 4990.16 mandates that protection of the public shall be the highest priority of the Board in exercising its licensing, regulatory, and disciplinary functions. The primary methods by which the Board achieves this goal are: issuing licenses and registrations to eligible applicants; investigating complaints against the Board's statutes and regulations, and monitoring registrants and licensees whose licenses have been placed on probation. In order to enhance its disciplinary function and strengthen its enforcement program to better achieve its public protection mandate, the Board is proposing the following changes:

**Amend Section 1803 — Delegation of Certain  
Functions**

Existing law authorizes the Board to hire an Executive Officer. Existing regulations delegate certain functions to its Executive Officer relative to actions taken in connection with the Administrative Procedure Act.

This regulatory proposal would delegate to the Executive Officer the authority to approve settlement agreements for the revocation, surrender, or interim suspension of a license.

Policy Statement Overview: Adoption of this proposed amendment is expected to shorten the timeframe for the settlement of these types of cases, protecting public health and safety and also allowing quicker resolution of these cases for licensees.

**Adopt Section 1823; Amend Sections 1845, 1858,  
and 1881 — Unprofessional Conduct**

Existing law authorizes the Board to take disciplinary action against a registrant or licensee or to deny an application for a license or registration for unprofessional conduct. Existing regulations do not define unprofessional conduct to prohibit a registrant or licensee of the Board from the following activities:

- (1) Including or permitting to be included in a civil settlement agreement provisions that prevent a person from contacting, cooperating with, or filing a complaint with the Board, or requiring that a person attempt to withdraw a complaint already filed with the Board;
- (2) Failing to provide the Board lawfully requested documents within a specified timeframe;
- (3) Failing to cooperate and participate in a Board investigation, as long as such action does not infringe upon the licensee's or consumer's constitutional or statutory rights or privilege;

- (4) Failing to notify the Board within a specified timeframe of felony charges or indictment, conviction, or of disciplinary action by another licensing entity, or failure to provide Board-requested arrest documentation; and
- (5) Failing to comply with a court order, issued in the enforcement of a subpoena, to release records.

This regulatory proposal would define unprofessional conduct in such a manner.

Policy Statement Overview: Adoption of these proposed amendments regarding unprofessional conduct is expected to enhance public protection.

Specifically, this regulatory change will protect the public by enabling the Board to take action against licensees who refuse to cooperate in Board investigations or licensees who actively subvert Board investigations.

**Adopt Section 1888.1 — Required Actions against Registered Sex Offenders**

Existing law prohibits the Board from issuing a license or registration to any person who has been convicted of a crime in this or another state or in a territory of the United States that involves sexual abuse of children or who is required to register pursuant to Section 290 of the Penal Code.

This regulatory proposal would require the Board to revoke a license or registration upon finding that an applicant or licensee was convicted of a sex offense. It would also require the Board to deny a petition for reinstatement or reissuance if the applicant or licensee was convicted of a sex offense.

Policy Statement Overview: Adoption of this proposed amendment is expected to increase public protection.

Specifically, this regulatory change will protect the public by ensuring that current licensees who are in direct contact with vulnerable populations are ineligible for licensure or renewal of licensure if the Board finds that they have been convicted of a sex offense. This is the same requirement that is currently placed on applicants for licensure.

**CONSISTENCY OR COMPATIBILITY WITH EXISTING STATE REGULATIONS**

This regulatory proposal is consistent and compatible with existing state regulations. Existing regulations currently outline some functions that are delegated to the Executive Officer, outline several unprofessional conduct provisions, and set forth disciplinary guidelines. The proposed regulations expand upon these existing provisions and do not contradict or obstruct them in any way.

**FISCAL IMPACT ESTIMATES**

Fiscal Impact on Public Agencies Including Costs or Savings to State Agencies or Costs/Savings in Federal Funding to the State: None.

Nondiscretionary Costs/Savings to Local Agencies: None.

Local Mandate: None.

Cost to Any Local Agency or School District for Which Government Code Sections 17500–17630 Require Reimbursement: None.

Business Impact: The Board has made an initial determination that the proposed regulatory action would have no significant statewide adverse economic impact directly affecting business, including the ability of California businesses to compete with businesses in other states.

The following relevant data was relied upon when making the above determination:

- The proposed regulatory changes would only affect those licensees or applicants who are the subject of Board disciplinary action, if they commit certain specific violations.

Impact on Jobs/New Businesses: The Board has determined that this regulatory proposal will not have a significant impact on the creation of jobs or new businesses or the elimination of jobs or existing businesses or the expansion of businesses in the State of California. The proposed regulatory action affects licensees or registrants of the Board, or applicants for licensure or registration, who are the subject of Board disciplinary action.

Cost Impact on Representative Private Person or Business: The cost impacts that a representative private person or business would necessarily incur in reasonable compliance with the proposed action and that are known to the Board are costs associated with any disciplinary order imposed by the Board and legal fees, if the individual is represented by legal counsel. The disciplinary order impact varies and could include loss of the licensee or registrant’s employment income, if the license or registration is revoked, surrendered, or suspended.

Effect on Housing Costs: None.

**RESULTS OF ECONOMIC IMPACT ASSESSMENT/ANALYSIS**

The Board has made an initial determination that the proposed regulatory action would have no significant statewide adverse economic impact directly affecting businesses, including the ability of California businesses to compete with businesses in other states. This initial determination is based on the fact that the proposed regulations do not impose any new requirements

on a licensee, registrant, or applicant who is not subject to disciplinary action. The regulation only affects licensees, registrants, or applicants who are already subject to disciplinary action by the Board.

As part of its Economic Impact Analysis, the Board has determined that its proposal will not affect the ability of California businesses to compete with other states by making it more costly to produce goods or services, and that it will not create or eliminate jobs or occupations. The Board had determined that states with comparable populations place similar requirements on their mental health licensees. This proposal does not impact multiple industries.

Effect on Small Businesses: The Board has determined that the proposed regulations will not affect small businesses. The regulatory proposal affects only licensees and registrants of the Board and applicants for licensure or registration, who are disciplined by the Board. This is a limited population and will only impact approximately 10 percent or less of the Board's licensees.

Impact on Jobs/New Businesses: The Board has determined that this regulatory proposal will not have a significant impact on the creation or elimination of jobs, businesses, or the expansion of businesses in the State of California.

Benefits of the Regulation to the Health and Welfare of California Residents, Worker Safety, and the State's Environment: The Board has determined that this regulatory proposal will benefit the health and welfare of California residents who seek the services of the Board's licensees. Health and welfare is increased by improving the efficiency of the enforcement process, and by making clarifications and additions to enforcement provisions to address current weaknesses in the regulations relating to licensees who are in the enforcement process. The proposal will have no effect on worker safety or the State's environment.

Occupations/Businesses Impacted: The Board has determined that the impact of this proposed regulation will be limited to those licensees who are the subject of disciplinary action taken by the Board. This is a low percentage of the Board's licensees overall (less than 10 percent), and therefore has little to no impact on occupations or businesses.

Reporting Requirements: None.

Comparable Federal Regulations: None.

Benefits: Business and Professions Code Section 4990.16 states the following:

"Protection of the public shall be the highest priority for the board in exercising its licensing, regulatory, and disciplinary functions. Whenever the protection of the public is inconsistent with other interests sought to be

promoted, the protection of the public shall be paramount."

The public will benefit from the increased efficiencies and clarifications in the enforcement process that these regulatory amendments provide.

#### CONSIDERATION OF ALTERNATIVES

The Board must determine that no reasonable alternative considered by the Board or that has otherwise been identified and brought to the attention of the Board would be more effective in carrying out the purpose for which the action is proposed, would be as effective and less burdensome to affected private persons than the proposed action, or would be more cost-effective to affected private persons and equally effective in implementing the statutory policy or other provision of law.

Any interested person may present statements or arguments orally or in writing relevant to the above determinations at the above-mentioned hearing.

#### INITIAL STATEMENT OF REASONS AND INFORMATION

The Board has prepared an initial statement of the reasons for the proposed action and has available all the information upon which the proposal is based.

#### TEXT OF PROPOSAL

Copies of the exact language of the proposed regulations and of the initial statement of reasons, and all of the information upon which the proposal is based, may be obtained at the hearing or prior to the hearing upon request from the person designated in the Notice under Contact Person or by accessing the Board's website, [www.bbs.ca.gov](http://www.bbs.ca.gov).

#### AVAILABILITY AND LOCATION OF THE FINAL STATEMENT OF REASONS AND RULEMAKING FILE

All the information upon which the proposed regulations are based is contained in the rulemaking file which is available for public inspection by contacting the person named below. You may obtain a copy of the final statement of reasons once it has been prepared, by making a written request to the contact person named below or by accessing the website listed below.

#### CONTACT PERSON

Inquiries or comments concerning the proposed rulemaking action may be addressed to:

Name: Rosanne Helms  
 Address: 1625 N. Market Blvd.,  
 Suite S-200  
 Sacramento, CA 95834  
 Telephone No.: (916) 574-7897  
 Fax No.: (916) 574-8625  
 E-Mail Address: [Rosanne.Helms@dca.ca.gov](mailto:Rosanne.Helms@dca.ca.gov)

The backup contact person is:

Name: Marc Mason  
 Address: 1625 N. Market Blvd.,  
 Suite S-200  
 Sacramento, CA 95834  
 Telephone No.: (916) 574-7828  
 Fax No.: (916) 574-8625  
 E-Mail Address: [Marc.Mason@dca.ca.gov](mailto:Marc.Mason@dca.ca.gov)

**TITLE 22. DEPARTMENT OF HEALTH CARE SERVICES**

**ACTION:** Notice of Emergency Rulemaking  
 Title 22, California Code of Regulations  
**SUBJECT:** Drug Medi-Cal Rates (2010-2011),  
 DHCS-11-002E

The Department of Health Care Services (Department) has adopted the regulations described in this notice on an emergency basis, and they are now in effect.

**PUBLIC PROCEEDINGS**

Notice is hereby given that the Department will conduct written public proceedings, during which time any interested person or such person's duly authorized representative may present statements, arguments or contentions (all of which are hereinafter referred to as comments) relevant to the action described in this notice.

**INFORMATIVE DIGEST/POLICY STATEMENT OVERVIEW**

This emergency regulatory action amends Title 22, California Code of Regulations (CCR), Section 51516.1, by updating Drug Medi-Cal (DMC) reimbursement rates for substance abuse services for fiscal year (FY) 2010-2011. This emergency action implements, interprets, and makes specific the provisions of Welfare and Institutions Code (WIC) Sections 14021.5, 14021.6, 14021.9, and 14105, and Health and Safety Code (HSC) Sections 11758.42 and 11758.46. These provisions require the Department of Alcohol and Drug Programs (ADP), in consultation with the Department of Health Care Services (Department), to establish rates

for DMC, and establish a per capita uniform statewide reimbursement (USR) rate for ancillary services.

This emergency regulatory action benefits Drug Medi-Cal service providers through the provision of the recent (2010/2011 FY) reimbursement rates while updating past rates, which in turn facilitates the continued delivery of these vital services. These emergency regulations not only meet the goals of the authorizing statutes, as specified above, but the regulations ensure the proper and efficient administration of the Medi-Cal Program, in accordance with the federal and state laws that govern the Program's rules of participation and funding.

The Department has conducted an evaluation of the related existing state regulations in CCR, title 22, Division 3 and title 9, Division 4 and has determined that the emergency regulations are consistent and compatible with those regulations.

This emergency regulatory action is necessary to implement WIC Sections 14021.5, 14021.6, and 14021.9; and HSC Sections 11758.42 and 11758.46, as specified below.

- WIC Section 14021.5(e) specifies that rates for DMC services shall be effective July 1 through June 30 of the fiscal year in which the rates are established.
- WIC Section 14021.6 and HSC Section 11758.42 specify how rates for DMC services shall be determined.
- WIC Section 14105(a) authorizes adoption of regulations to set rates for Medi-Cal services on an emergency basis.
- HSC Section 11758.42 requires ADP to establish rates for the use of the narcotic replacement drugs Methadone and LAAM.
- HSC Section 11758.46(b) specifies DMC services that are reimbursable through the Medi-Cal program.
- WIC Section 14021.9(b) states that for FY 2010-2011, and each fiscal year thereafter, rates for DMC services shall be the lower of the following:
  1. The rates developed by ADP under its normal rate-setting methodologies; or
  2. The rates applicable in FY 2009-2010 adjusted for the cumulative growth in the Implicit Price Deflator for the Costs of Goods and Services to Governmental Agencies, as reported by the Department of Finance.

Proposed changes to Title 22, CCR Section 51516.1 include the following:

Section 51516.1(a)(3):

- Revisions to this subsection will add the statewide maximum allowances (SMAs) for DMC substance abuse program services for FY 2010–2011. The specific methodology used to calculate DMC SMAs are described in the document entitled “Drug Medi–Cal Rate Setting Methodology for Non–Narcotic Treatment Programs for Fiscal Year 2010–2011.” This document is included in the rulemaking file, which is maintained by the Department’s Office of Regulations.

Section 51516.1(g):

- Revisions to this subsection will add the USR rates for narcotic treatment program services for FY 2010–2011. The specific methodology used to calculate narcotic treatment USR rates is described in the document entitled “Narcotic Treatment Program, Uniform Statewide Reimbursement Rates and Methodology, Fiscal Year (FY) 2010–2011.” This document is included in the rulemaking file, which is maintained by the Department’s Office of Regulations.

**AUTHORITY**

Sections 10725, 14021.5, 14021.6, 14105 and 14124.5, Welfare and Institutions Code; and Sections 20 and 11758.42, Health and Safety Code.

**REFERENCE**

Sections 5705, 14021.5, 14021.6, 14021.9 and 14132.90, Welfare and Institutions Code; and Sections 11758.42 and 11758.46, Health and Safety Code.

**COMMENTS**

Any written comments pertaining to these regulations, regardless of the method of transmittal, must be received by the Office of Regulations by 5 p.m., on May 4, 2012, which is hereby designated as the close of the written comment period. Comments received after this date will not be considered timely. Persons wishing to use the California Relay Service may do so at no cost. The telephone numbers for accessing this service are: 1–800–735–2929, if you have a TDD; or 1–800–735–2922, if you do not have a TDD. Written comments may be submitted as follows:

1. By mail to the Office of Regulations, Department of Health Care Services, MS 0015, 1501 Capitol Avenue, P.O. Box 997413, Sacramento, CA 95899–7413; or

2. By hand–delivery to the Office of Regulations, Department of Health Care Services, 1501 Capitol Avenue, Suite 5084, Sacramento, CA 95814; or
3. By fax transmission: (916) 440–5748; or
4. By email to [regulations@dhcs.ca.gov](mailto:regulations@dhcs.ca.gov) (it is requested that email transmissions of comments, particularly those with attachments, contain the regulation package identifier “DHCS–11–002E” in the subject line to facilitate timely identification and review of the comment).

Written comments should include the author’s contact information so the Department can provide notification of any further changes to the regulation proposal.

**INQUIRIES**

Inquiries regarding the substance of the emergency regulations described in this notice may be directed to Arlene Sakazaki, of the Provider Rates Section, at (916) 552–9638.

All other inquiries concerning the action described in this notice may be directed to Lori Manieri, of the Office of Regulations, at (916) 650–6825, or to the designated backup contact person, Lynette Cordell, at (916) 440–7695.

**CONTACTS: For any inquiries or written comments, please identify the action by using the Department regulation package identifier, DHCS–11–002E.**

**AVAILABILITY OF STATEMENT OF REASONS AND TEXT OF REGULATIONS**

The Department has prepared and has available for public review an initial statement of reasons for the emergency regulations, which includes the information upon which the emergency regulations are based, and the text of the emergency regulations. The Office of Regulations, at the address noted above, will be the location of public records, including reports, documentation, and other material related to the emergency regulations (rulemaking file). In addition, a copy of the final statement of reasons (when prepared) will be available upon request from the Office of Regulations.

Materials regarding the action described in this notice (including this public notice, the regulation text, and the initial statement of reasons) that are available via the Internet may be accessed at [www.dhcs.ca.gov](http://www.dhcs.ca.gov) by clicking on the Decisions Pending and Opportunity for Public Participation link (from the left menu), then selecting the Proposed Regulations link.

In order to request a copy of this public notice, the regulation text, and the initial statement of reasons be mailed to you, please call (916) 440–7695 (or California Relay at 711/1–800–735–2929), or email

[regulations@dhcs.ca.gov](mailto:regulations@dhcs.ca.gov), or write to the Office of Regulations at the address noted above. Upon specific request, these documents will be made available in Braille, large print, audiocassette or computer disk.

AVAILABILITY OF CHANGED OR MODIFIED TEXT

The full text of any regulation which is changed or modified from the express terms of the emergency action will be made available by the Department's Office of Regulations at least 15 days prior to the date on which the Department adopts, amends, or repeals the resulting regulation.

FISCAL IMPACT ESTIMATE

- A. Fiscal Effect on Local Government: None.
- B. Fiscal Effect on State Government: State General Funds for this program are budgeted by ADP; Federal Funding is budgeted by the Department.
- C. Fiscal Effect on Federal Funding of State Programs: The federal financial participation impact of the rate is an additional expenditure of \$1,666,000 in FY 2011–2012.
- D. All cost impacts, known to the Department at the time the notice of proposed action was submitted to the Office of Administrative Law, that a representative private person or business would necessarily incur in reasonable compliance with the proposed action: The agency is not aware of any cost impacts that a representative private person or business would necessarily incur in reasonable compliance with the proposed action.
- E. Other nondiscretionary costs or savings including revenue changes imposed on State or Local Government: None.

DETERMINATIONS

The Department has determined that the emergency regulations would not impose a mandate on local agencies or school districts, nor are there any costs for which reimbursement is required by Part 7 (commencing with Section 17500) of Division 4 of the Government Code.

The Department has made an initial determination that the emergency regulations would not have a significant statewide adverse economic impact directly affecting business, including the ability of California businesses to compete with businesses in other states.

The Department has determined that the emergency regulations would not significantly affect the following:

- (1) The creation or elimination of jobs within the State of California.
- (2) The creation of new businesses or the elimination of existing businesses within the State of California.
- (3) The expansion of businesses currently doing business within the State of California.

Medi-Cal is a voluntary program for both service providers and beneficiaries. These emergency regulations affect Medi-Cal providers and beneficiaries who are offered substance abuse services through Medi-Cal.

The Department has determined that the emergency regulations would not affect worker safety or the state's environment. However, the emergency regulations will benefit the health and welfare of California residents by maintaining the continuity of the Medi-Cal Program through the provision of quality health care services, including the delivery of substance abuse services. These emergency regulations ensure the proper and efficient administration of the Medi-Cal Program, in accordance with the federal and state laws that govern the Program's rules of participation and funding.

This emergency regulatory action will benefit Drug Medi-Cal service providers through the provision of the recent (2010/2011 FY) reimbursement rates for these services, which in turn facilitates the delivery of these vital services to beneficiaries.

The Department has determined that the emergency regulations would only affect small businesses that voluntarily provide Drug Medi-Cal services.

The Department has determined that the emergency regulations will have no impact on housing costs.

ADDITIONAL STATEMENTS AND COMMENTS

In accordance with Government Code Section 11346.5(a)(13), the Department must determine that no reasonable alternative considered by the Department or that has otherwise been identified and brought to the attention of the Department would be more effective in carrying out the purpose for which the emergency action was taken, would be as effective and less burdensome to affected private persons than the emergency action, or would be more cost-effective to affected private persons and equally effective in implementing the statutory policy or other provision of law.

No public hearing has been scheduled; however, any interested person or his or her duly authorized representative may request in writing, no later than 15 days prior to the close of the written comment period, a public

hearing pursuant to Government Code Section 11346.8. The Department shall consider all comments received regarding the proposal equally, whether submitted in writing or through oral testimony at a public hearing.

For individuals with disabilities, the Department can provide assistive services such as the conversion of written materials into Braille, large print, audiocassette, or computer disk. For public hearings, assistive services can include sign-language interpretation, real-time captioning, note takers, reading or writing assistance. To request these assistive services, please write or call: Harry Cockcroft, Office of Regulations, MS 0015, P.O. Box 997413, Sacramento, CA 95899-7413; voice (916) 440-7695 and/or California Relay 711/1-800-735-2929. Note: The range of assistive services available may be limited if requests are received less than ten business days prior to a public hearing.

**TITLE 27. OFFICE OF ENVIRONMENTAL HEALTH HAZARD ASSESSMENT**

**AMENDMENT TO SECTION 25705 SPECIFIC REGULATORY LEVELS POSING NO SIGNIFICANT RISK: TRICHLOROETHYLENE  
March 16, 2012**

NOTICE IS HEREBY GIVEN that the Office of Environmental Health Hazard Assessment (OEHHA) proposes to update the existing regulatory levels posing no significant risk for trichloroethylene, to 14 micrograms per day for oral exposure and 50 micrograms per day for inhalation exposure, by amending Title 27, California Code of Regulations, section 25705.<sup>1</sup>

**PUBLIC PROCEEDINGS**

Any written comments concerning this proposed action, regardless of the form or method of transmission, must be received by OEHHA by 5:00 p.m. on **April 30, 2012**, the designated close of the written comment period. All comments received will be posted on the OEHHA website at the close of the public comment period.

The public is encouraged to submit written information via e-mail, rather than in paper form. Send e-mail comments to [P65Public.Comments@oehha.ca.gov](mailto:P65Public.Comments@oehha.ca.gov). Please include "Trichloroethylene Safe Harbor" in the subject line. Hard-copy comments may be mailed,

<sup>1</sup> All further regulatory references are to sections of Title 27 of the California Code of Regulations unless otherwise indicated.

faxed, or delivered in person to the appropriate address below.

**Mailing Address:** Ms. Monet Vela  
Office of Environmental Health Hazard Assessment  
P.O. Box 4010, MS-25B  
Sacramento, California 95812-4010  
Fax: (916) 323-2610  
Street Address: 1001 I Street  
Sacramento, California 95814

A public hearing on this proposed regulatory amendment will be scheduled on request. To request a hearing send an e-mail to Monet Vela at [monet.vela@oehha.ca.gov](mailto:monet.vela@oehha.ca.gov) or to the address listed above by no later than **April 16, 2012**, which is 15 days before the close of the comment period. OEHHA will mail a notice of the hearing to the requester and interested parties on the Proposition 65 mailing list for regulatory public hearings. The notice will also be posted on the OEHHA web site at least ten days before the public hearing date. The notice will provide the date, time, and location of the hearing.

If a hearing is scheduled and you have special accommodation or language needs, please contact Monet Vela at (916) 323-2517 or [monet.vela@oehha.ca.gov](mailto:monet.vela@oehha.ca.gov) at least one week in advance of the hearing. TTY/TDD/Speech-to-Speech users may dial 7-1-1 for the California Relay Service.

**CONTACT**

Please direct inquiries concerning the proposed regulatory action described in this notice to Monet Vela, in writing at the address given above, or by telephone at (916) 323-2517. Susan Luong is a back-up contact person for inquiries concerning processing of this action and is available at [susan.luong@oehha.ca.gov](mailto:susan.luong@oehha.ca.gov) or (916) 327-3015.

**INFORMATIVE DIGEST/POLICY STATEMENT OVERVIEW**

Proposition 65<sup>2</sup> prohibits a person in the course of doing business from knowingly and intentionally exposing any individual to a chemical that has been listed as known to the State to cause cancer or reproductive toxicity, without first giving clear and reasonable warning to such individual (Health and Safety Code section 25249.6). The Act also prohibits a business from knowingly discharging a listed chemical into water or onto or into land where such chemical passes or probably will

<sup>2</sup> The Safe Drinking Water and Toxic Enforcement Act of 1986, codified at Health and Safety Code section 25249.5 et seq., commonly known as Proposition 65 and referred to herein as "Proposition 65" or "The Act."

pass into any source of drinking water (Health and Safety Code section 25249.5).

For carcinogens, an exemption from the warning requirement is provided by the Act when the exposure for which the person is responsible can be demonstrated to produce no significant risk or that a discharge which otherwise complies with all applicable requirements would not cause any significant amount of the discharged or released chemical to enter any source of drinking water (Health and Safety Code sections 25249.9 and 25249.10). A determination that a level of exposure poses no significant risk may be made utilizing regulations that have previously been adopted by OEHHA (Sections 25701–25721). Section 25701 describes alternative methods for making such a determination. Section 25705 sets forth the process for determining “no significant risk” levels for purposes of Proposition 65 and establishes those levels for certain listed chemicals.

Details on the bases for the proposed levels are provided in the initial statement of reasons for this regulatory amendment, which is available on request from Monet Vela and is posted on the OEHHA web site at [www.oehha.ca.gov](http://www.oehha.ca.gov).

This proposed amendment to section 25705 would update the existing No Significant Risk Levels (NSRLs) for Trichloroethylene by amending Section 25705(b) as follows:

Chemical	NSRL, in units micrograms per day
Trichloroethylene	14 (oral) 50 (inhalation)

The proposed updated NSRLs for trichloroethylene are based upon a risk assessment performed by the U.S. Environmental Protection Agency (U.S. EPA) that OEHHA has reviewed and determined to be consistent with Section 25703.<sup>3</sup> The oral and inhalation cancer potency values developed in the U.S. EPA risk assessment provide the basis for calculating the proposed oral and inhalation NSRLs, respectively. This is discussed in more detail in the initial statement of reasons for this proposed regulatory amendment.

This notice and the initial statement of reasons are being provided to the OEHHA Science Advisory Board’s Carcinogen Identification Committee for review and comment.

Specific Benefits Anticipated by the Regulation: See “Benefits of the Proposed Regulation” under “RESULTS OF THE ECONOMIC IMPACT ANALYSIS” below.

<sup>3</sup> See Section 25705(b).

OEHHA has determined that the proposed regulation is neither inconsistent nor incompatible with existing state regulations because it provides compliance assistance to businesses subject to the Act, but does not impose any mandatory requirements on those businesses, state or local agencies and does not address compliance with any other law or regulation.

RESULTS OF ECONOMIC IMPACT ANALYSIS  
(Gov. Code section 11346.3(b))

**Impact on the Creation, Elimination, or Expansion of Jobs/Businesses in California**

This regulatory proposal will not affect the creation or elimination of jobs within the State of California. Proposition 65 requires businesses with ten or more employees to provide warnings when they expose people to chemicals that are known to cause cancer or developmental or reproductive harm. The law also prohibits the discharge of listed chemicals into sources of drinking water. Trichloroethylene is listed under Proposition 65, therefore businesses and individuals who manufacture, distribute, or sell products with trichloroethylene in the state must provide a warning if their product or activity exposes the public or employees to this chemical.

Because the proposed regulatory levels provide compliance assistance to businesses subject to the Act, but do not impose any mandatory requirements on those businesses, OEHHA has determined that the proposed regulatory action will not have any impact on the creation or elimination of jobs, the creation of new businesses or the elimination of existing businesses, or the expansion of businesses currently doing business within the State of California.

**Benefits of the Proposed Regulation:** Some businesses may not be able to afford the expense of establishing an NSRL or MADL and therefore may be exposed to litigation for a failure to warn or for a prohibited discharge of the listed chemical. Adopting this regulation will save these businesses those expenses and may reduce litigation costs. By providing a safe harbor level, this regulatory proposal does not require, but may encourage businesses to lower the amount of the listed chemical in their product to a level that does not cause a significant exposure. This in turn may reduce state’s residents, worker and environmental exposures to chemicals that cause cancer, developmental or reproductive harm.

AUTHORITY

Health and Safety Code Section 25249.12.

REFERENCE

Health and Safety Code Sections 25249.5, 25249.6, 25249.9, 25249.10 and 25249.11.

**IMPACT ON LOCAL AGENCIES OR  
SCHOOL DISTRICTS**

Because Proposition 65 expressly<sup>4</sup> does not apply to local agencies or school districts, OEHHA has determined the proposed regulatory action would not impose a mandate on local agencies or school districts nor does it require reimbursement by the State pursuant to Part 7 (commencing with Section 17500) of Division 4 of the Government Code. OEHHA has also determined that no nondiscretionary costs or savings to local agencies or school districts will result from the proposed regulatory action.

**COSTS OR SAVINGS TO STATE AGENCIES**

Because Proposition 65 expressly<sup>5</sup> does not apply to any State agency, OEHHA has determined that no savings or increased costs to any State agency will result from the proposed regulatory action.

**EFFECT ON FEDERAL FUNDING  
TO THE STATE**

Because Proposition 65 expressly<sup>6</sup> does not apply to any federal agency, OEHHA has determined that no costs or savings in federal funding to the State will result from the proposed regulatory action.

**EFFECT ON HOUSING COSTS**

OEHHA has determined that the proposed regulatory action will have no effect on housing costs because it provides compliance assistance to businesses subject to the Act, but does not impose any mandatory requirements on those businesses.

**SIGNIFICANT STATEWIDE ADVERSE  
ECONOMIC IMPACT DIRECTLY AFFECTING  
BUSINESS, INCLUDING ABILITY TO COMPETE**

Because the proposed regulatory levels provide compliance assistance to businesses subject to the Act, but do not impose any mandatory requirements on those businesses, OEHHA has made an initial determination that the adoption of the regulation will not have a significant statewide adverse economic impact directly affecting businesses, including the ability of California businesses to compete with businesses in other states.

**COST IMPACTS ON REPRESENTATIVE  
PRIVATE PERSONS OR BUSINESSES**

Since the proposed regulatory levels provide compliance assistance to businesses subject to the Act, but do not impose any mandatory requirements on those businesses, the Office of Environmental Health Hazard Assessment is not aware of any cost impacts that a representative private person or business would necessarily incur in reasonable compliance with the proposed action.

**EFFECT ON SMALL BUSINESSES**

OEHHA has determined that the proposed regulation will not impose any mandatory requirements on small business. Rather, the proposed regulation will provide compliance assistance for small businesses subject to the Act because it will help them determine whether or not an exposure for which they are responsible is subject to the warning requirement or discharge prohibition of the Act.

**CONSIDERATION OF ALTERNATIVES**

Government Code Section 11346.5(a)(13) requires that OEHHA must determine that no reasonable alternative considered by OEHHA or that has otherwise been identified and brought to the attention of OEHHA would be more effective in carrying out the purpose for which the action is proposed, or would be as effective and less burdensome to affected private persons than the proposed action, or would be more cost-effective to affected private persons and equally effective in implementing the statutory policy or other provision of law.

**AVAILABILITY OF STATEMENT OF REASONS  
AND TEXT OF PROPOSED REGULATIONS**

OEHHA has prepared and has available for public review an Initial Statement of Reasons for the regulation, all the information upon which the regulation is based and the text of the regulation. A copy of the Initial Statement of Reasons, the text of the regulation and the risk assessment which was used by OEHHA to develop the proposed regulation are available upon request from OEHHA at the address and telephone number indicated above. These documents are also posted on OEHHA's Web site at [www.oehha.ca.gov](http://www.oehha.ca.gov).

**AVAILABILITY OF CHANGED OR  
MODIFIED TEXT**

The full text of any regulation which is changed or modified from the express terms of this proposed action

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<sup>4</sup> See Health and Safety Code section 25249.11(b).

<sup>5</sup> See Health and Safety Code section 25249.11(b).

<sup>6</sup> See Health and Safety Code section 25249.11(b).

will be made available at least 15 days prior to the date on which OEHHA adopts the resulting regulation. Notice of the comment period on changed regulations and the full text will be mailed to individuals who testified or submitted written comments at the public hearing, if held, or whose comments were received by OEHHA during the public comment period, and anyone who requests notification from OEHHA of the availability of such changes. Copies of the notice and the changed regulation will also be available on the OEHHA Web site at [www.oehha.ca.gov](http://www.oehha.ca.gov).

**FINAL STATEMENT OF REASONS**

A copy of the Final Statement of Reasons for this regulatory action may be obtained, when it becomes available, from OEHHA at the address and telephone number indicated above, and on the OEHHA website at [www.oehha.ca.gov](http://www.oehha.ca.gov).

**TITLE 27. OFFICE OF ENVIRONMENTAL HEALTH HAZARD ASSESSMENT**

**SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT OF 1986 PROPOSITION 65**

**AMENDMENT TO SECTION 25805**

**SPECIFIC REGULATORY LEVELS: CHEMICALS CAUSING REPRODUCTIVE TOXICITY METHANOL MARCH 16, 2012**

NOTICE IS HEREBY GIVEN that the Office of Environmental Health Hazard Assessment (OEHHA) proposes to establish Proposition 65<sup>1</sup> Maximum Allowable Dose Levels for methanol of 47,000 micrograms per day for inhalation and 23,000 micrograms per day for ingestion by amending Section 25805(b).

**PUBLIC PROCEEDINGS**

Any written comments concerning this proposed action, regardless of the form or method of transmission,

<sup>1</sup> The Safe Drinking Water and Toxic Enforcement Act of 1986, codified at Health and Safety Code section 25249.5 et seq., referred to herein as "Proposition 65" or "The Act."

must be received by OEHHA by 5:00 p.m. on **April 30, 2012**, the designated close of the written comment period. All comments received will be posted on the OEHHA website at the close of the public comment period.

The public is encouraged to submit written information via e-mail, rather than in paper form. Send e-mail comments to [P65Public.Comments@oehha.ca.gov](mailto:P65Public.Comments@oehha.ca.gov). Please include "METHANOL MADL" in the subject line. Hard-copy comments may be mailed, faxed, or delivered in person to the appropriate address below.

**Mailing Address:** Ms. Susan Luong  
Office of Environmental Health Hazard Assessment  
P.O. Box 4010, MS-19B  
Sacramento, California 95812-4010  
Fax: (916) 323-8803  
Street Address: 1001 I Street  
Sacramento, California 95814

A public hearing on this proposed regulatory amendment will be scheduled on request. To request a hearing send an e-mail to Susan Luong at [susan.luong@oehha.ca.gov](mailto:susan.luong@oehha.ca.gov) or to the address listed above by no later than **April 16, 2012**, which is 15 days before the close of the comment period. OEHHA will mail a notice of the hearing to the requester and interested parties on the Proposition 65 mailing list for regulatory public hearings. The notice will also be posted on the OEHHA web site at least ten days before the public hearing date. The notice will provide the date, time, and location of the hearing.

If a hearing is scheduled and you have special accommodation or language needs, please contact Susan Luong at (916) 327-3015 or [susan.luong@oehha.ca.gov](mailto:susan.luong@oehha.ca.gov) at least one week in advance of the hearing. TTY/TDD/Speech-to-Speech users may dial 7-1-1 for the California Relay Service.

**CONTACT**

Please direct inquiries concerning the proposed regulatory action described in this notice to Susan Luong, in writing at the address given above, via e-mail to [susan.luong@oehha.ca.gov](mailto:susan.luong@oehha.ca.gov) or by telephone at (916) 327-3015. Monet Vela is a back-up contact person for inquiries concerning processing of this action and is available at [monet.vela@oehha.ca.gov](mailto:monet.vela@oehha.ca.gov) or (916) 323-2517.

**INFORMATIVE DIGEST/POLICY STATEMENT OVERVIEW**

Proposition 65 prohibits a person in the course of doing business from knowingly and intentionally exposing any individual to a chemical that has been listed as

known to the State to cause cancer or reproductive toxicity, without first giving clear and reasonable warning to such individual (Health and Safety Code section 25249.6). The Act also prohibits a business from knowingly discharging a listed chemical into water or onto or into land where such chemical passes or probably will pass into any source of drinking water (Health and Safety Code section 25249.5). Warnings are not required and the discharge prohibition does not apply when exposures are insignificant.<sup>2</sup> The MADL safe harbors provide guidance for determining when this is the case.<sup>3</sup>

Details on the bases for the proposed MADLs for methanol are provided in the initial statement of reasons for this regulatory amendment, which is available on request from Susan Luong and is posted on the OEHHA web site at [www.oehha.ca.gov](http://www.oehha.ca.gov). This proposed regulation sets forth MADLs for adoption into Section 25805 that were derived using scientific methods outlined in Section 25803.

The proposed regulation would adopt the following MADLs for methanol, by amending Section 25805 as follows (addition in underline):

(b) Chemical Name	Level (Micrograms/day)
<u>Methanol</u>	<u>47,000 (inhalation)</u> <u>23,000 (oral)</u>

OEHHA relied on a review of studies identified in the 2003 National Toxicology Program (NTP) final report to develop the proposed MADLs. A search for any relevant studies published after the report was completed was also conducted. No additional relevant studies were identified. NTP identified the most sensitive study of the developmental toxicity of methanol, the study by Rogers et al. (1993). This included an oral experiment and an inhalation experiment using methanol. OEHHA concurs with NTP's selection.

This notice and the initial statement of reasons are being provided to the OEHHA Science Advisory Board's Developmental and Reproductive Toxicant (DART) Identification Committee for review and comment.

Specific Benefits Anticipated by the Regulation: See "Benefits of the Proposed Regulation" under "RESULTS OF THE ECONOMIC IMPACT ANALYSIS" below.

OEHHA has determined that the proposed regulation is neither inconsistent nor incompatible with existing state regulations because it provides compliance assistance to businesses subject to the Act, but does not impose any mandatory requirements on those businesses, state or local agencies and does not address compliance with any other law or regulation.

RESULTS OF ECONOMIC IMPACT ANALYSIS  
(Gov. Code section 11346.3(b))

**Impact on the Creation, Elimination, or Expansion of Jobs/Businesses in California**

This regulatory proposal will not affect the creation or elimination of jobs within the State of California. Proposition 65 requires businesses with ten or more employees to provide warnings when they expose people to chemicals that are known to cause cancer or developmental or reproductive harm. The law also prohibits the discharge of listed chemicals into sources of drinking water. Methanol is listed under Proposition 65, therefore businesses and individuals who manufacture, distribute or sell products with methanol in the state must provide a warning if their product or activity exposes the public or employees to this chemical.

Because the proposed regulatory levels provide compliance assistance to businesses subject to the Act, but do not impose any mandatory requirements on those businesses, OEHHA has determined that the proposed regulatory action will not have any impact on the creation or elimination of jobs, the creation of new businesses or the elimination of existing businesses, or the expansion of businesses currently doing business within the State of California.

**Benefits of the Proposed Regulation:** Some businesses may not be able to afford the expenses of establishing an NSRL or MADL and therefore may be exposed to litigation for a failure to warn or for a prohibited discharge of the listed chemical. Adopting this regulation will save these businesses those expenses and may reduce litigation costs. By providing a safe harbor level, this regulatory proposal does not require, but may encourage businesses to lower the amount of the listed chemical in their products to a level that does not cause a significant exposure. This in turn may reduce state's residents, worker and environmental exposures to chemicals that cause cancer, developmental or reproductive harm.

AUTHORITY

Health and Safety Code Section 25249.12.

REFERENCE

Health and Safety Code Sections 25249.5, 25249.6, 25249.9, 25249.10 and 25249.11.

IMPACT ON LOCAL AGENCIES OR SCHOOL DISTRICTS

Because Proposition 65 expressly<sup>4</sup> does not apply to local agencies or school districts, OEHHA has deter-

<sup>2</sup> Health and Safety Code sections 25249.9 and 25249.10.

<sup>3</sup> See sections 25801 and 25805.

<sup>4</sup> See Health and Safety Code section 25249.11(b).

mined the proposed regulatory action would not impose a mandate on local agencies or school districts nor does it require reimbursement by the State pursuant to Part 7 (commencing with Section 17500) of Division 4 of the Government Code. OEHHA has also determined that no nondiscretionary costs or savings to local agencies or school districts will result from the proposed regulatory action.

#### COSTS OR SAVINGS TO STATE AGENCIES

Because Proposition 65 expressly<sup>5</sup> does not apply to any State agency, OEHHA has determined that no savings or increased costs to any State agency will result from the proposed regulatory action.

#### EFFECT ON FEDERAL FUNDING TO THE STATE

Because Proposition 65 expressly<sup>6</sup> does not apply to any federal agency, OEHHA has determined that no costs or savings in federal funding to the State will result from the proposed regulatory action.

#### EFFECT ON HOUSING COSTS

OEHHA has determined that the proposed regulatory action will have no effect on housing costs because it provides compliance assistance to businesses subject to the Act, but does not impose any mandatory requirements on those businesses.

#### SIGNIFICANT STATEWIDE ADVERSE ECONOMIC IMPACT DIRECTLY AFFECTING BUSINESS, INCLUDING ABILITY TO COMPETE

Because the proposed regulatory levels provide compliance assistance to businesses subject to the Act, but do not impose any mandatory requirements on those businesses, OEHHA has made an initial determination that the adoption of the regulation will not have a significant statewide adverse economic impact directly affecting businesses, including the ability of California businesses to compete with businesses in other states.

#### COST IMPACTS ON REPRESENTATIVE PRIVATE PERSONS OR BUSINESSES

The proposed MADLs were developed to provide compliance assistance for these businesses in determin-

ing whether a warning is required or a discharge is prohibited. The MADLs provide levels of exposure below which a warning is not required and a discharge is not prohibited. Use of the MADLs is not mandatory. The implementing regulations allow a business to calculate its own level and provide guidance in order to assist businesses in doing so.<sup>7</sup> However, conducting such a process can be expensive and time consuming, and the resulting levels may not be defensible in an enforcement action.

#### EFFECT ON SMALL BUSINESSES

OEHHA has determined that the proposed regulations will not impose any mandatory requirements on small business. Rather, the proposed regulations will provide compliance assistance for small businesses subject to the Act because they will help them determine whether or not an exposure for which they are responsible is subject to the warning requirement or discharge prohibition of the Act.

#### CONSIDERATION OF ALTERNATIVES

Government Code Section 11346.5(a)(13) requires that OEHHA must determine that no reasonable alternative considered by OEHHA or that has otherwise been identified and brought to the attention of OEHHA would be more effective in carrying out the purpose for which the action is proposed, or would be as effective and less burdensome to affected private persons than the proposed action, or would be more cost-effective to affected private persons and equally effective in implementing the statutory policy or other provision of law.

#### AVAILABILITY OF STATEMENT OF REASONS AND TEXT OF PROPOSED REGULATIONS

OEHHA has prepared and has available for public review an Initial Statement of Reasons for the regulation, all the information upon which the regulation is based and the text of the regulation. A copy of the Initial Statement of Reasons, the text of the regulation and documents used by OEHHA to develop the proposed regulation are available upon request from OEHHA at the address and telephone number indicated above. These documents are also posted on OEHHA's Web site at [www.oehha.ca.gov](http://www.oehha.ca.gov).

<sup>5</sup> See Health and Safety Code section 25249.11(b).

<sup>6</sup> See Health and Safety Code section 25249.11(b).

<sup>7</sup> Title 27, Cal. Code of Regs., section 25801 et seq.

AVAILABILITY OF CHANGED OR  
MODIFIED TEXT

The full text of any regulation which is changed or modified from the express terms of this proposed action will be made available at least 15 days prior to the date on which OEHHA adopts the resulting regulation. Notice of the comment period on changed regulations and the full text will be mailed to individuals who testified or submitted written comments at the public hearing, if held, or whose comments were received by OEHHA during the public comment period, and anyone who requests notification from OEHHA of the availability of such changes. Copies of the notice and the changed regulation will also be available on the OEHHA Web site at [www.oehha.ca.gov](http://www.oehha.ca.gov).

FINAL STATEMENT OF REASONS

A copy of the Final Statement of Reasons for this regulatory action may be obtained, when it becomes available, from OEHHA at the address and telephone number indicated above, and on the OEHHA website at [www.oehha.ca.gov](http://www.oehha.ca.gov).

**PROPOSITION 65**

**OFFICE OF ENVIRONMENTAL  
HEALTH HAZARD ASSESSMENT**

SAFE DRINKING WATER AND TOXIC  
ENFORCEMENT ACT OF 1986

CHEMICALS KNOWN TO THE STATE  
TO CAUSE CANCER OR  
REPRODUCTIVE TOXICITY  
March 16, 2012

The Safe Drinking Water and Toxic Enforcement Act of 1986 requires that the Governor revise and republish at least once per year the list of chemicals known to the State to cause cancer or reproductive toxicity. The identification number indicated in the following list is the Chemical Abstracts Service (CAS) Registry Number. No CAS number is given when several substances are presented as a single listing. The date refers to the initial appearance of the chemical on the list. For easy reference, chemicals which are shown underlined are newly added. Chemicals which are shown with a strikethrough were placed on the list with the date noted, and have subsequently been removed.

CHEMICALS KNOWN TO THE STATE TO CAUSE CANCER

<i>Chemical</i>	<i>CASNumber</i>	<i>Date</i>
A-alpha-C (2-Amino-9H-pyrido[2,3-b]indole)	26148-68-5	January 1, 1990
Acetaldehyde	75-07-0	April 1, 1988
Acetamide	60-35-5	January 1, 1990
Acetochlor	34256-82-1	January 1, 1989
2-Acetylaminofluorene	53-96-3	July 1, 1987
Acifluorfen sodium	62476-59-9	January 1, 1990
Acrylamide	79-06-1	January 1, 1990
Acrylonitrile	107-13-1	July 1, 1987
Actinomycin D	50-76-0	October 1, 1989
AF-2;[2-(2-furyl)-3-(5-nitro-2-furyl)]acrylamide	3688-53-7	July 1, 1987
Aflatoxins	—	January 1, 1988
Alachlor	15972-60-8	January 1, 1989
Alcoholic beverages, when associated with alcohol abuse	—	July 1, 1988
Aldrin	309-00-2	July 1, 1988
Allyl chloride <u>Delisted October 29, 1999</u>	107-05-1	January 1, 1990
2-Aminoanthraquinone	117-79-3	October 1, 1989
p-Aminoazobenzene	60-09-3	January 1, 1990
ortho-Aminoazotoluene	97-56-3	July 1, 1987
4-Aminobiphenyl (4-aminodiphenyl)	92-67-1	February 27, 1987
1-Amino-2,4-dibromoanthraquinone	81-49-2	August 26, 1997
3-Amino-9-ethylcarbazole hydrochloride	6109-97-3	July 1, 1989
2-Aminofluorene	153-78-6	January 29, 1999

<u>Chemical</u>	<u>CASNumber</u>	<u>Date</u>
1-Amino-2-methylantraquinone	82-28-0	October 1, 1989
2-Amino-5-(5-nitro-2-furyl)-1,3,4-thiadiazole	712-68-5	July 1, 1987
4-Amino-2-nitrophenol	119-34-6	January 29, 1999
Amitrole	61-82-5	July 1, 1987
Amsacrine	51264-14-3	August 7, 2009
Analgesic mixtures containing phenacetin	—	February 27, 1987
Androstenedione	63-05-8	May 3, 2011
Aniline	62-53-3	January 1, 1990
Aniline hydrochloride	142-04-1	May 15, 1998
<i>ortho</i> -Anisidine	90-04-0	July 1, 1987
<i>ortho</i> -Anisidine hydrochloride	134-29-2	July 1, 1987
Antimony oxide (Antimony trioxide)	1309-64-4	October 1, 1990
Anthraquinone	84-65-1	September 28, 2007
Aramite	140-57-8	July 1, 1987
Areca nut	—	February 3, 2006
Aristolochic acids	—	July 9, 2004
Arsenic (inorganic arsenic compounds)	—	February 27, 1987
Asbestos	1332-21-4	February 27, 1987
Auramine	492-80-8	July 1, 1987
Azacitidine	320-67-2	January 1, 1992
Azaserine	115-02-6	July 1, 1987
Azathioprine	446-86-6	February 27, 1987
Azobenzene	103-33-3	January 1, 1990
Benthiavalicarb-isopropyl	177406-68-7	July 1, 2008
Benz[a]anthracene	56-55-3	July 1, 1987
Benzene	71-43-2	February 27, 1987
Benzidine [and its salts]	92-87-5	February 27, 1987
Benzidine-based dyes	—	October 1, 1992
Benzo[b]fluoranthene	205-99-2	July 1, 1987
Benzo[j]fluoranthene	205-82-3	July 1, 1987
Benzo[k]fluoranthene	207-08-9	July 1, 1987
Benzofuran	271-89-6	October 1, 1990
Benzo[a]pyrene	50-32-8	July 1, 1987
Benzotrichloride	98-07-7	July 1, 1987
Benzyl chloride	100-44-7	January 1, 1990
Benzyl violet 4B	1694-09-3	July 1, 1987
Beryllium and beryllium compounds	—	October 1, 1987
Betel quid with tobacco	—	January 1, 1990
Betel quid without tobacco	—	February 3, 2006
2,2-Bis(bromomethyl)-1,3-propanediol	3296-90-0	May 1, 1996
Bis(2-chloroethyl)ether	111-44-4	April 1, 1988
N,N-Bis(2-chloroethyl)-2-naphthylamine (Chlornapazine)	494-03-1	February 27, 1987
Bischloroethyl nitrosourea (BCNU) (Carmustine)	154-93-8	July 1, 1987
Bis(chloromethyl)ether	542-88-1	February 27, 1987
Bis(2-chloro-1-methylethyl) ether, technical grade	—	October 29, 1999
Bitumens, extracts of steam-refined and air refined	—	January 1, 1990
Bracken fern	—	January 1, 1990
Bromate	15541-45-4	May 31, 2002
Bromochloroacetic acid	5589-96-8	April 6, 2010
Bromodichloromethane	75-27-4	January 1, 1990
Bromoethane	74-96-4	December 22, 2000
Bromoform	75-25-2	April 1, 1991
1,3-Butadiene	106-99-0	April 1, 1988

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<i>Chemical</i>	<i>CAS Number</i>	<i>Date</i>
1,4-Butanediol dimethanesulfonate (Busulfan)	55-98-1	February 27, 1987
Butylated hydroxyanisole	25013-16-5	January 1, 1990
beta-Butyrolactone	3068-88-0	July 1, 1987
Cacodylic acid	75-60-5	May 1, 1996
Cadmium and cadmium compounds	—	October 1, 1987
Caffeic acid	331-39-5	October 1, 1994
Captafol	2425-06-1	October 1, 1988
Captan	133-06-2	January 1, 1990
Carbaryl	63-25-2	February 5, 2010
Carbazole	86-74-8	May 1, 1996
Carbon black (airborne, unbound particles of respirable size)	1333-86-4	February 21, 2003
Carbon tetrachloride	56-23-5	October 1, 1987
Carbon-black extracts	—	January 1, 1990
N-Carboxymethyl-N-nitrosourea	60391-92-6	January 25, 2002
Catechol	120-80-9	July 15, 2003
Ceramic fibers (airborne particles of respirable size)	—	July 1, 1990
Certain combined chemotherapy for lymphomas	—	February 27, 1987
Chlorambucil	305-03-3	February 27, 1987
Chloramphenicol	56-75-7	October 1, 1989
Chlordane	57-74-9	July 1, 1988
Chlordecone (Kepone)	143-50-0	January 1, 1988
Chlordimeform	6164-98-3	January 1, 1989
Chlorendic acid	115-28-6	July 1, 1989
Chlorinated paraffins (Average chain length, C12; approximately 60 percent chlorine by weight)	108171-26-2	July 1, 1989
<i>p</i> -Chloroaniline	106-47-8	October 1, 1994
<i>p</i> -Chloroaniline hydrochloride	20265-96-7	May 15, 1998
Chlorodibromomethane <u>Delisted October 29, 1999</u>	124-48-1	January 1, 1990
Chloroethane (Ethyl chloride)	75-00-3	July 1, 1990
1-(2-Chloroethyl)-3-cyclohexyl-1-nitrosourea (CCNU) (Lomustine)	13010-47-4	January 1, 1988
1-(2-Chloroethyl)-3-(4-methylcyclohexyl)-1-nitrosourea (Methyl-CCNU)	13909-09-6	October 1, 1988
Chloroform	67-66-3	October 1, 1987
Chloromethyl methyl ether (technical grade)	107-30-2	February 27, 1987
3-Chloro-2-methylpropene	563-47-3	July 1, 1989
1-Chloro-4-nitrobenzene	100-00-5	October 29, 1999
4-Chloro-ortho-phenylenediamine	95-83-0	January 1, 1988
<i>p</i> -Chloro- <i>o</i> -toluidine	95-69-2	January 1, 1990
<i>p</i> -Chloro- <i>o</i> -toluidine, strong acid salts of	—	May 15, 1998
5-Chloro- <i>o</i> -toluidine and its strong acid salts	—	October 24, 1997
Chloroprene	126-99-8	June 2, 2000
Chlorothalonil	1897-45-6	January 1, 1989
Chlorotrianisene	569-57-3	September 1, 1996
Chlorozotocin	54749-90-5	January 1, 1992
Chromium (hexavalent compounds)	—	February 27, 1987
Chrysene	218-01-9	January 1, 1990
C.I. Acid Red 114	6459-94-5	July 1, 1992
C.I. Basic Red 9 monohydrochloride	569-61-9	July 1, 1989
C.I. Direct Blue 15	2429-74-5	August 26, 1997
C.I. Direct Blue 218	28407-37-6	August 26, 1997
C.I. Solvent Yellow 14	842-07-9	May 15, 1998

<u>Chemical</u>	<u>CASNumber</u>	<u>Date</u>
Ciclosporin (Cyclosporin A; Cyclosporine)	59865-13-3 79217-60-0	January 1, 1992
Cidofovir	113852-37-2	January 29, 1999
Cinnamyl anthranilate	87-29-6	July 1, 1989
Cisplatin	15663-27-1	October 1, 1988
Citrus Red No. 2	6358-53-8	October 1, 1989
Clofibrate	637-07-0	September 1, 1996
Cobalt metal powder	7440-48-4	July 1, 1992
Cobalt [II] oxide	1307-96-6	July 1, 1992
Cobalt sulfate	10124-43-3	May 20, 2005
Cobalt sulfate heptahydrate	10026-24-1	June 2, 2000
Coke oven emissions	—	February 27, 1987
Conjugated estrogens	—	February 27, 1987
Creosotes	—	October 1, 1988
<i>para</i> -Cresidine	120-71-8	January 1, 1988
Cumene	98-82-8	April 6, 2010
Cupferron	135-20-6	January 1, 1988
Cycasin	14901-08-7	January 1, 1988
Cyclopenta[ <i>cd</i> ]pyrene	27208-37-3	April 29, 2011
Cyclophosphamide (anhydrous)	50-18-0	February 27, 1987
Cyclophosphamide (hydrated)	6055-19-2	February 27, 1987
Cytembena	21739-91-3	May 15, 1998
D&C Orange No. 17	3468-63-1	July 1, 1990
D&C Red No. 8	2092-56-0	October 1, 1990
D&C Red No. 9	5160-02-1	July 1, 1990
D&C Red No. 19	81-88-9	July 1, 1990
Dacarbazine	4342-03-4	January 1, 1988
Daminozide	1596-84-5	January 1, 1990
Dantron (Chrysazin; 1,8-Dihydroxyanthraquinone)	117-10-2	January 1, 1992
Daunomycin	20830-81-3	January 1, 1988
DDD (Dichlorodiphenyldichloroethane)	72-54-8	January 1, 1989
DDE (Dichlorodiphenyldichloroethylene)	72-55-9	January 1, 1989
DDT (Dichlorodiphenyltrichloroethane)	50-29-3	October 1, 1987
DDVP (Dichlorvos)	62-73-7	January 1, 1989
N,N' -Diacetylbenzidine	613-35-4	October 1, 1989
2,4-Diaminoanisole	615-05-4	October 1, 1990
2,4-Diaminoanisole sulfate	39156-41-7	January 1, 1988
4,4' -Diaminodiphenyl ether (4,4' -Oxydianiline)	101-80-4	January 1, 1988
2,4-Diaminotoluene	95-80-7	January 1, 1988
Diaminotoluene (mixed)	—	January 1, 1990
Diazoaminobenzene	136-35-6	May 20, 2005
Dibenz[ <i>a,h</i> ]acridine	226-36-8	January 1, 1988
Dibenz[ <i>a,j</i> ]acridine	224-42-0	January 1, 1988
Dibenz[ <i>a,h</i> ]anthracene	53-70-3	January 1, 1988
7H-Dibenzo[ <i>c,g</i> ]carbazole	194-59-2	January 1, 1988
Dibenzo[ <i>a,e</i> ]pyrene	192-65-4	January 1, 1988
Dibenzo[ <i>a,h</i> ]pyrene	189-64-0	January 1, 1988
Dibenzo[ <i>a,i</i> ]pyrene	189-55-9	January 1, 1988
Dibenzo[ <i>a,l</i> ]pyrene	191-30-0	January 1, 1988
Dibromoacetic acid	631-64-1	June 17, 2008
Dibromoacetone nitrile	3252-43-5	May 3, 2011
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	July 1, 1987
2,3-Dibromo-1-propanol	96-13-9	October 1, 1994

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Dichloroacetic acid	79-43-6	May 1, 1996
p-Dichlorobenzene	106-46-7	January 1, 1989
3,3'-Dichlorobenzidine	91-94-1	October 1, 1988
3,3'-Dichlorobenzidine dihydrochloride	612-83-9	May 15, 1998
1,4-Dichloro-2-butene	764-41-0	January 1, 1990
3,3'-Dichloro-4,4'-diaminodiphenyl ether	28434-86-8	January 1, 1988
1,1-Dichloroethane	75-34-3	January 1, 1990
Dichloromethane (Methylene chloride)	75-09-2	April 1, 1988
1,2-Dichloropropane	78-87-5	January 1, 1990
1,3-Dichloro-2-propanol (1,3-DCP)	96-23-1	October 8, 2010
1,3-Dichloropropene	542-75-6	January 1, 1989
Diclofop-methyl	51338-27-3	April 6, 2010
Dieldrin	60-57-1	July 1, 1988
Dienestrol	84-17-3	January 1, 1990
Diepoxybutane	1464-53-5	January 1, 1988
Diesel engine exhaust	—	October 1, 1990
Di(2-ethylhexyl)phthalate	117-81-7	January 1, 1988
1,2-Diethylhydrazine	1615-80-1	January 1, 1988
Diethyl sulfate	64-67-5	January 1, 1988
Diethylstilbestrol (DES)	56-53-1	February 27, 1987
Diglycidyl resorcinol ether (DGRE)	101-90-6	July 1, 1989
Dihydrosafrole	94-58-6	January 1, 1988
Diisopropyl sulfate	2973-10-6	April 1, 1993
3,3'-Dimethoxybenzidine (ortho-Dianisidine)	119-90-4	January 1, 1988
3,3'-Dimethoxybenzidine dihydrochloride (ortho-Dianisidine dihydrochloride)	20325-40-0	October 1, 1990
3,3'-Dimethoxybenzidine-based dyes metabolized to 3,3'-dimethoxybenzidine	—	June 11, 2004
3,3'-Dimethylbenzidine-based dyes metabolized to 3,3'-dimethylbenzidine	—	June 11, 2004
Dimethyl sulfate	77-78-1	January 1, 1988
4-Dimethylaminoazobenzene	60-11-7	January 1, 1988
trans-2-[(Dimethylamino)methylimino]-5-[2-(5-nitro-2-furyl)vinyl]-1,3,4-oxadiazole	55738-54-0	January 1, 1988
7,12-Dimethylbenz(a)anthracene	57-97-6	January 1, 1990
3,3'-Dimethylbenzidine (ortho-Tolidine)	119-93-7	January 1, 1988
3,3'-Dimethylbenzidine dihydrochloride	612-82-8	April 1, 1992
Dimethylcarbamoil chloride	79-44-7	January 1, 1988
1,1-Dimethylhydrazine (UDMH)	57-14-7	October 1, 1989
1,2-Dimethylhydrazine	540-73-8	January 1, 1988
Dimethylvinylchloride	513-37-1	July 1, 1989
3,7-Dinitrofluoranthene	105735-71-5	August 26, 1997
3,9-Dinitrofluoranthene	22506-53-2	August 26, 1997
1,6-Dinitropyrene	42397-64-8	October 1, 1990
1,8-Dinitropyrene	42397-65-9	October 1, 1990
Dinitrotoluene mixture, 2,4-/2,6-	—	May 1, 1996
2,4-Dinitrotoluene	121-14-2	July 1, 1988
2,6-Dinitrotoluene	606-20-2	July 1, 1995
Di-n-propyl isocinchomeronate (MGK Repellent 326)	136-45-8	May 1, 1996
1,4-Dioxane	123-91-1	January 1, 1988
Diphenylhydantoin (Phenytoin)	57-41-0	January 1, 1988
Diphenylhydantoin (Phenytoin), sodium salt	630-93-3	January 1, 1988
Direct Black 38 (technical grade)	1937-37-7	January 1, 1988
Direct Blue 6 (technical grade)	2602-46-2	January 1, 1988

<i>Chemical</i>	<i>CASNumber</i>	<i>Date</i>
Direct Brown 95 (technical grade)	16071-86-6	October 1, 1988
Disperse Blue 1	2475-45-8	October 1, 1990
Diuron	330-54-1	May 31, 2002
Doxorubicin hydrochloride (Adriamycin)	25316-40-9	July 1, 1987
Epichlorohydrin	106-89-8	October 1, 1987
Epoxiconazole	135319-73-2	April 15, 2011
Erionite	12510-42-8/ 66733-21-9	October 1, 1988
Estradiol 17B	50-28-2	January 1, 1988
Estragole	140-67-0	October 29, 1999
Estrogens, steroidal	—	August 19, 2005
Estrogen-progestogen (combined) used as menopausal therapy	—	November 4, 2011
Estrone	53-16-7	January 1, 1988
Estropipate	7280-37-7	August 26, 1997
Ethanol in alcoholic beverages	—	April 29, 2011
Ethinylestradiol	57-63-6	January 1, 1988
Ethoprop	13194-48-4	February 27, 2001
Ethyl acrylate	140-88-5	July 1, 1989
Ethylbenzene	100-41-4	June 11, 2004
Ethyl methanesulfonate	62-50-0	January 1, 1988
Ethyl-4,4'-dichlorobenzilate	510-15-6	January 1, 1990
Ethylene dibromide	106-93-4	July 1, 1987
Ethylene dichloride (1,2-Dichloroethane)	107-06-2	October 1, 1987
Ethylene oxide	75-21-8	July 1, 1987
Ethylene thiourea	96-45-7	January 1, 1988
Ethyleneimine	151-56-4	January 1, 1988
Etoposide	33419-42-0	November 4, 2011
Etoposide in combination with cisplatin and bleomycin	—	November 4, 2011
Fenoxycarb	72490-01-8	June 2, 2000
Folpet	133-07-3	January 1, 1989
Formaldehyde (gas)	50-00-0	January 1, 1988
2-(2-Formylhydrazino)-4-(5-nitro-2-furyl)thiazole	3570-75-0	January 1, 1988
Fumonisin B <sub>1</sub>	116355-83-0	November 14, 2003
Furan	110-00-9	October 1, 1993
Furazolidone	67-45-8	January 1, 1990
Furmecycloz	60568-05-0	January 1, 1990
Fusarin C	79748-81-5	July 1, 1995
Gallium arsenide	1303-00-0	August 1, 2008
Ganciclovir	82410-32-0	August 26, 1997
Gasoline engine exhaust (condensates/extracts)	—	October 1, 1990
Gemfibrozil	25812-30-0	December 22, 2000
Glasswool fibers (inhalable and biopersistent)	—	July 1, 1990
Glu-P-1 (2-Amino-6-methyldipyrido[1,2-a:3',2'-d]imidazole)	67730-11-4	January 1, 1990
Glu-P-2 (2-Aminodipyrido[1,2-a:3',2'-d]imidazole)	67730-10-3	January 1, 1990
Glycidaldehyde	765-34-4	January 1, 1988
Glycidol	556-52-5	July 1, 1990
Griseofulvin	126-07-8	January 1, 1990
Gyromitrin (Acetaldehyde methylformylhydrazone)	16568-02-8	January 1, 1988
HC Blue 1	2784-94-3	July 1, 1989
Heptachlor	76-44-8	July 1, 1988
Heptachlor epoxide	1024-57-3	July 1, 1988
Herbal remedies containing plant species of the genus Aristolochia	—	July 9, 2004

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<i>Chemical</i>	<i>CAS Number</i>	<i>Date</i>
Hexachlorobenzene	118-74-1	October 1, 1987
Hexachlorobutadiene	87-68-3	May 3, 2011
Hexachlorocyclohexane (technical grade)	—	October 1, 1987
Hexachlorodibenzodioxin	34465-46-8	April 1, 1988
Hexachloroethane	67-72-1	July 1, 1990
2,4-Hexadienal (89% trans, trans isomer; 11% cis, trans isomer)	—	March 4, 2005
Hexamethylphosphoramide	680-31-9	January 1, 1988
Hydrazine	302-01-2	January 1, 1988
Hydrazine sulfate	10034-93-2	January 1, 1988
Hydrazobenzene (1,2-Diphenylhydrazine)	122-66-7	January 1, 1988
1-Hydroxyanthraquinone	129-43-1	May 27, 2005
Imazalil	35554-44-0	May 20, 2011
Indeno [1,2,3-cd]pyrene	193-39-5	January 1, 1988
Indium phosphide	22398-80-7	February 27, 2001
IQ (2-Amino-3-methylimidazo[4,5-f]quinoline)	76180-96-6	April 1, 1990
Iprodione	36734-19-7	May 1, 1996
Iprovalicarb	140923-17-7	June 1, 2007
	140923-25-7	
Iron dextran complex	9004-66-4	January 1, 1988
Isobutyl nitrite	542-56-3	May 1, 1996
Isoprene	78-79-5	May 1, 1996
Isosafrole <u>Delisted December 8, 2006</u>	120-58-1	October 1, 1989
Isoxaflutole	141112-29-0	December 22, 2000
Kresoxim-methyl	143390-89-0	February 3, 2012
Lactofen	77501-63-4	January 1, 1989
Lasiocarpine	303-34-4	April 1, 1988
Lead acetate	301-04-2	January 1, 1988
Lead and lead compounds	—	October 1, 1992
Lead phosphate	7446-27-7	April 1, 1988
Lead subacetate	1335-32-6	October 1, 1989
Leather dust	—	April 29, 2011
Lindane and other hexachlorocyclohexane isomers	—	October 1, 1989
Lynestrenol	52-76-6	February 27, 2001
Malonaldehyde, sodium salt	24382-04-5	May 3, 2011
Mancozeb	8018-01-7	January 1, 1990
Maneb	12427-38-2	January 1, 1990
Marijuana smoke	—	June 19, 2009
Me-A-alpha-C (2-Amino-3-methyl-9H-pyrido[2,3-b]indole)	68006-83-7	January 1, 1990
Medroxyprogesterone acetate	71-58-9	January 1, 1990
MeIQ(2-Amino-3,4-dimethylimidazo[4,5-f]quinoline)	77094-11-2	October 1, 1994
MeIQx(2-Amino-3,8-dimethylimidazo[4,5-f]quinoxaline)	77500-04-0	October 1, 1994
Melphalan	148-82-3	February 27, 1987
Mepanipyridin	110235-47-7	July 1, 2008
Merphalan	531-76-0	April 1, 1988
Mestranol	72-33-3	April 1, 1988
Metam potassium	137-41-7	December 31, 2010
Metham sodium	137-42-8	November 6, 1998
8-Methoxypsoralen with ultraviolet A therapy	298-81-7	February 27, 1987
5-Methoxypsoralen with ultraviolet A therapy	484-20-8	October 1, 1988
2-Methylaziridine (Propyleneimine)	75-55-8	January 1, 1988
Methylazoxymethanol	590-96-5	April 1, 1988
Methylazoxymethanol acetate	592-62-1	April 1, 1988
Methyl carbamate	598-55-0	May 15, 1998

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3-Methylcholanthrene	56-49-5	January 1, 1990
5-Methylchrysene	3697-24-3	April 1, 1988
4,4' -Methylene bis(2-chloroaniline)	101-14-4	July 1, 1987
4,4' -Methylene bis(N,N-dimethyl)benzenamine	101-61-1	October 1, 1989
4,4' -Methylene bis(2-methylaniline)	838-88-0	April 1, 1988
4,4' -Methylenedianiline	101-77-9	January 1, 1988
4,4' -Methylenedianiline dihydrochloride	13552-44-8	January 1, 1988
Methyleugenol	93-15-2	November 16, 2001
Methylhydrazine and its salts	—	July 1, 1992
Methyl iodide	74-88-4	April 1, 1988
4-Methylimidazole	822-36-6	January 7, 2011
Methyl isobutyl ketone	108-10-1	November 4, 2011
Methylmercury compounds	—	May 1, 1996
Methyl methanesulfonate	66-27-3	April 1, 1988
2-Methyl-1-nitroanthraquinone (of uncertain purity)	129-15-7	April 1, 1988
N-Methyl-N' -nitro-N-nitrosoguanidine	70-25-7	April 1, 1988
N-Methylolacrylamide	924-42-5	July 1, 1990
Methylthiouracil	56-04-2	October 1, 1989
Metiram	9006-42-2	January 1, 1990
Metronidazole	443-48-1	January 1, 1988
Michler's ketone	90-94-8	January 1, 1988
Mirex	2385-85-5	January 1, 1988
Mitomycin C	50-07-7	April 1, 1988
MON 4660 (dichloroacetyl-1-oxa-4-azaspiro(4,5)-decane)	71526-07-3	March 22, 2011
MON 13900 (furilazole)	121776-33-8	March 22, 2011
3-Monochloropropane-1,2-diol (3-MCPD)	96-24-2	October 8, 2010
Monocrotaline	315-22-0	April 1, 1988
MOPP (vincristine-prednisone-nitrogen mustard-procarbazine mixture)	113803-47-7	November 4, 2011
5-(Morpholinomethyl)-3-[(5-nitro-furfurylidene)-amino]-2-oxazolidinone	139-91-3	April 1, 1988
Mustard Gas	505-60-2	February 27, 1987
MX (3-chloro-4-(dichloromethyl)-5-hydroxy-2(5H)-furanone)	77439-76-0	December 22, 2000
Nafenopin	3771-19-5	April 1, 1988
Nalidixic acid	389-08-2	May 15, 1998
Naphthalene	91-20-3	April 19, 2002
1-Naphthylamine	134-32-7	October 1, 1989
2-Naphthylamine	91-59-8	February 27, 1987
Nickel (Metallic)	7440-02-0	October 1, 1989
Nickel acetate	373-02-4	October 1, 1989
Nickel carbonate	3333-67-3	October 1, 1989
Nickel carbonyl	13463-39-3	October 1, 1987
Nickel compounds	—	May 7, 2004
Nickel hydroxide	12054-48-7;	October 1, 1989
	12125-56-3	
Nickelocene	1271-28-9	October 1, 1989
Nickel oxide	1313-99-1	October 1, 1989
Nickel refinery dust from the pyrometallurgical process	—	October 1, 1987
Nickel subsulfide	12035-72-2	October 1, 1987
Niridazole	61-57-4	April 1, 1988
Nitrapyrin	1929-82-4	October 5, 2005
Nitilotriacetic acid	139-13-9	January 1, 1988
Nitilotriacetic acid, trisodium salt monohydrate	18662-53-8	April 1, 1989

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<i>Chemical</i>	<i>CAS Number</i>	<i>Date</i>
5-Nitroacenaphthene	602-87-9	April 1, 1988
5-Nitro- <i>o</i> -anisidine <u>Delisted December 8, 2006</u>	99-59-2	October 1, 1989
<i>o</i> -Nitroanisole	91-23-6	October 1, 1992
Nitrobenzene	98-95-3	August 26, 1997
4-Nitrobiphenyl	92-93-3	April 1, 1988
6-Nitrochrysene	7496-02-8	October 1, 1990
Nitrofen (technical grade)	1836-75-5	January 1, 1988
2-Nitrofluorene	607-57-8	October 1, 1990
Nitrofurazone	59-87-0	January 1, 1990
1-[(5-Nitrofurfurylidene)-amino]-2-imidazolidinone	555-84-0	April 1, 1988
N-[4-(5-Nitro-2-furyl)-2-thiazolyl]acetamide	531-82-8	April 1, 1988
Nitrogen mustard (Mechlorethamine)	51-75-2	January 1, 1988
Nitrogen mustard hydrochloride (Mechlorethamine hydrochloride)	55-86-7	April 1, 1988
Nitrogen mustard N-oxide	126-85-2	April 1, 1988
Nitrogen mustard N-oxide hydrochloride	302-70-5	April 1, 1988
Nitromethane	75-52-5	May 1, 1997
2-Nitropropane	79-46-9	January 1, 1988
1-Nitropyrene	5522-43-0	October 1, 1990
4-Nitropyrene	57835-92-4	October 1, 1990
N-Nitrosodi-n-butylamine	924-16-3	October 1, 1987
N-Nitrosodiethanolamine	1116-54-7	January 1, 1988
N-Nitrosodiethylamine	55-18-5	October 1, 1987
N-Nitrosodimethylamine	62-75-9	October 1, 1987
<i>p</i> -Nitrosodiphenylamine	156-10-5	January 1, 1988
N-Nitrosodiphenylamine	86-30-6	April 1, 1988
N-Nitrosodi-n-propylamine	621-64-7	January 1, 1988
N-Nitroso-N-ethylurea	759-73-9	October 1, 1987
3-(N-Nitrosomethylamino)propionitrile	60153-49-3	April 1, 1990
4-(N-Nitrosomethylamino)-1-(3-pyridyl)1-butanone	64091-91-4	April 1, 1990
N-Nitrosomethylethylamine	10595-95-6	October 1, 1989
N-Nitroso-N-methylurea	684-93-5	October 1, 1987
N-Nitroso-N-methylurethane	615-53-2	April 1, 1988
N-Nitrosomethylvinylamine	4549-40-0	January 1, 1988
N-Nitrosomorpholine	59-89-2	January 1, 1988
N-Nitrosornicotine	16543-55-8	January 1, 1988
N-Nitrosopiperidine	100-75-4	January 1, 1988
N-Nitrosopyrrolidine	930-55-2	October 1, 1987
N-Nitrososarcosine	13256-22-9	January 1, 1988
<i>o</i> -Nitrotoluene	88-72-2	May 15, 1998
Norethisterone (Norethindrone)	68-22-4	October 1, 1989
Norethynodrel	68-23-5	February 27, 2001
Ochratoxin A	303-47-9	July 1, 1990
Oil Orange SS	2646-17-5	April 1, 1988
Oral contraceptives, combined	—	October 1, 1989
Oral contraceptives, sequential	—	October 1, 1989
Oryzalin	19044-88-3	September 12, 2008
Oxadiazon	19666-30-9	July 1, 1991
Oxazepam	604-75-1	October 1, 1994
Oxymetholone	434-07-1	January 1, 1988
Oxythioquinox (Chinomethionat)	2439-01-2	August 20, 1999
Palygorskite fibers (> 5µm in length)	12174-11-7	December 28, 1999
Panfuran S	794-93-4	January 1, 1988
Pentachlorophenol	87-86-5	January 1, 1990

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Phenacetin	62-44-2	October 1, 1989
Phenazopyridine	94-78-0	January 1, 1988
Phenazopyridine hydrochloride	136-40-3	January 1, 1988
Phenesterin	3546-10-9	July 1, 1989
Phenobarbital	50-06-6	January 1, 1990
Phenolphthalein	77-09-8	May 15, 1998
Phenoxybenzamine	59-96-1	April 1, 1988
Phenoxybenzamine hydrochloride	63-92-3	April 1, 1988
<i>o</i> -Phenylenediamine and its salts	95-54-5	May 15, 1998
Phenyl glycidyl ether	122-60-1	October 1, 1990
Phenylhydrazine and its salts	—	July 1, 1992
<i>o</i> -Phenylphenate, sodium	132-27-4	January 1, 1990
<i>o</i> -Phenylphenol	90-43-7	August 4, 2000
PhiP(2-Amino-1-methyl-6-phenylimidazol[4,5-b]pyridine)	105650-23-5	October 1, 1994
Pirmicarb	23103-98-2	July 1, 2008
Polybrominated biphenyls	—	January 1, 1988
Polychlorinated biphenyls	—	October 1, 1989
Polychlorinated biphenyls (containing 60 or more percent chlorine by molecular weight)	—	January 1, 1988
Polychlorinated dibenzo-p-dioxins	—	October 1, 1992
Polychlorinated dibenzofurans	—	October 1, 1992
Polygeenan	53973-98-1	January 1, 1988
Ponceau MX	3761-53-3	April 1, 1988
Ponceau 3R	3564-09-8	April 1, 1988
Potassium bromate	7758-01-2	January 1, 1990
Pirimicarb	23103-98-2	July 1, 2008
Primidone	125-33-7	August 20, 1999
Procarbazine	671-16-9	January 1, 1988
Procarbazine hydrochloride	366-70-1	January 1, 1988
Procymidone	32809-16-8	October 1, 1994
Progesterone	57-83-0	January 1, 1988
Pronamide	23950-58-5	May 1, 1996
Propachlor	1918-16-7	February 27, 2001
1,3-Propane sultone	1120-71-4	January 1, 1988
Propargite	2312-35-8	October 1, 1994
beta-Propiolactone	57-57-8	January 1, 1988
Propoxur	114-26-1	August 11, 2006
Propylene glycol mono- <i>t</i> -butyl ether	57018-52-7	June 11, 2004
Propylene oxide	75-56-9	October 1, 1988
Propylthiouracil	51-52-5	January 1, 1988
Pymetrozine	123312-89-0	March 22, 2011
Pyridine	110-86-1	May 17, 2002
Quinoline and its strong acid salts	—	October 24, 1997
Radionuclides	—	July 1, 1989
Reserpine	50-55-5	October 1, 1989
Residual (heavy) fuel oils	—	October 1, 1990
Resmethrin	10453-86-8	July 1, 2008
Riddelliine	23246-96-0	December 3, 2004
Saccharin <u>Delisted April 6, 2001</u>	81-07-2	October 1, 1989
Saccharin, sodium <u>Delisted January 17, 2003</u>	128-44-9	January 1, 1988
Safrole	94-59-7	January 1, 1988
Salted fish, Chinese-style	—	April 29, 2011
Selenium sulfide	7446-34-6	October 1, 1989

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<u>Chemical</u>	<u>CAS Number</u>	<u>Date</u>
Shale-oils	68308-34-9	April 1, 1990
Silica, crystalline (airborne particles of respirable size)	—	October 1, 1988
Soots, tars, and mineral oils (untreated and mildly treated oils and used engine oils)	—	February 27, 1987
Spirodiclofen	148477-71-8	October 8, 2010
Spirocholactone	52-01-7	May 1, 1997
Stanozolol	10418-03-8	May 1, 1997
Sterigmatocystin	10048-13-2	April 1, 1988
Streptozotocin (streptozocin)	18883-66-4	January 1, 1988
Strong inorganic acid mists containing sulfuric acid	—	March 14, 2003
Styrene oxide	96-09-3	October 1, 1988
Sulfallate	95-06-7	January 1, 1988
Sulfasalazine (Salicylazosulfapyridine)	599-79-1	May 15, 1998
Talc containing asbestiform fibers	—	April 1, 1990
Tamoxifen and its salts	10540-29-1	September 1, 1996
Terrazole	2593-15-9	October 1, 1994
Testosterone and its esters	58-22-0	April 1, 1988
2,3,7,8-Tetrachlorodibenzo-para-dioxin (TCDD)	1746-01-6	January 1, 1988
1,1,2,2-Tetrachloroethane	79-34-5	July 1, 1990
Tetrachloroethylene (Perchloroethylene)	127-18-4	April 1, 1988
p-a,a,a-Tetrachlorotoluene	5216-25-1	January 1, 1990
Tetrafluoroethylene	116-14-3	May 1, 1997
Tetranitromethane	509-14-8	July 1, 1990
Thioacetamide	62-55-5	January 1, 1988
4,4'-Thiodianiline	139-65-1	April 1, 1988
Thiodicarb	59669-26-0	August 20, 1999
Thiouracil	141-90-2	June 11, 2004
Thiourea	62-56-6	January 1, 1988
Thorium dioxide	1314-20-1	February 27, 1987
Titanium dioxide (airborne, unbound particles of respirable size)	—	September 2, 2011
Tobacco, oral use of smokeless products	—	April 1, 1988
Tobacco smoke	—	April 1, 1988
Toluene diisocyanate	26471-62-5	October 1, 1989
ortho-Toluidine	95-53-4	January 1, 1988
ortho-Toluidine hydrochloride	636-21-5	January 1, 1988
para-Toluidine <u>Delisted October 29, 1999</u>	106-49-0	January 1, 1990
Toxaphene (Polychlorinated camphenes)	8001-35-2	January 1, 1988
Toxins derived from <i>Fusarium moniliforme</i> ( <i>Fusarium verticillioides</i> )	—	August 7, 2009
Treosulfan	299-75-2	February 27, 1987
S,S,S-Tributyl phosphorotrithioate (Tribufos, DEF)	78-48-8	February 25, 2011
Trichlormethine (Trimustine hydrochloride)	817-09-4	January 1, 1992
Trichloroethylene	79-01-6	April 1, 1988
2,4,6-Trichlorophenol	88-06-2	January 1, 1988
1,2,3-Trichloropropane	96-18-4	October 1, 1992
Trimethyl phosphate	512-56-1	May 1, 1996
2,4,5-Trimethylaniline and its strong acid salts	—	October 24, 1997
2,4,6-Trinitrotoluene (TNT)	118-96-7	December 19, 2008
Triphenyltin hydroxide	76-87-9	July 1, 1992
Tris(aziridinyl)-para-benzoquinone (Triaziquone) <u>Delisted December 8, 2006</u>	68-76-8	October 1, 1989
Tris(1-aziridinyl)phosphine sulfide (Thiotepa)	52-24-4	January 1, 1988
Tris(2-chloroethyl) phosphate	115-96-8	April 1, 1992

<u>Chemical</u>	<u>CAS Number</u>	<u>Date</u>
Tris(2,3-dibromopropyl)phosphate	126-72-7	January 1, 1988
Tris(1,3-dichloro-2-propyl) phosphate (TDCPP)	13674-87-8	October 28, 2011
Trp-P-1 (Tryptophan-P-1)	62450-06-0	April 1, 1988
Trp-P-2 (Tryptophan-P-2)	62450-07-1	April 1, 1988
Trypan blue (commercial grade)	72-57-1	October 1, 1989
Unleaded gasoline (wholly vaporized)	—	April 1, 1988
Uracil mustard	66-75-1	April 1, 1988
Urethane (Ethyl carbamate)	51-79-6	January 1, 1988
Vanadium pentoxide (orthorhombic crystalline form)	1314-62-1	February 11, 2005
Vinclozolin	50471-44-8	August 20, 1999
Vinyl bromide	593-60-2	October 1, 1988
Vinyl chloride	75-01-4	February 27, 1987
4-Vinylcyclohexene	100-40-3	May 1, 1996
4-Vinyl-1-cyclohexene diepoxide (Vinyl cyclohexene dioxide)	106-87-6	July 1, 1990
Vinyl fluoride	75-02-5	May 1, 1997
Vinyl trichloride (1,1,2-Trichloroethane)	79-00-5	October 1, 1990
Wood dust	—	December 18, 2009
2,6-Xylidine (2,6-Dimethylaniline)	87-62-7	January 1, 1991
Zalcitabine	7481-89-2	August 7, 2009
Zidovudine (AZT)	30516-87-1	December 18, 2009
Zileuton	111406-87-2	December 22, 2000
<u>Zineb Delisted October 29, 1999</u>	<u>12122-67-7</u>	<u>January 1, 1990</u>

CHEMICALS KNOWN TO THE STATE TO CAUSE REPRODUCTIVE TOXICITY

<u>Chemical</u>	<u>Type of Reproductive Toxicity</u>	<u>CAS No.</u>	<u>Date Listed</u>
Acetazolamide	developmental	59-66-5	August 20, 1999
Acetohydroxamic acid	developmental	546-88-3	April 1, 1990
Acrylamide	developmental, male	79-06-1	February 25, 2011
Actinomycin D	developmental	50-76-0	October 1, 1992
All-trans retinoic acid	developmental	302-79-4	January 1, 1989
Alprazolam	developmental	28981-97-7	July 1, 1990
Altretamine	developmental, male	645-05-6	August 20, 1999
Amantadine hydrochloride	developmental	665-66-7	February 27, 2001
Amikacin sulfate	developmental	39831-55-5	July 1, 1990
Aminoglutethimide	developmental	125-84-8	July 1, 1990
tert-Amyl methyl ether	developmental	994-05-8	December 18, 2009
Aminoglycosides	developmental	—	October 1, 1992
Aminopterin	developmental, female	54-62-6	July 1, 1987
Amiodarone hydrochloride	developmental, female, male	19774-82-4	August 26, 1997
Amitraz	developmental	33089-61-1	March 30, 1999
Amoxapine	developmental	14028-44-5	May 15, 1998
Anabolic steroids	female, male	—	April 1, 1990
Angiotensin converting enzyme (ACE) inhibitors	developmental	—	October 1, 1992
Anisindione	developmental	117-37-3	October 1, 1992
Arsenic (inorganic oxides)	developmental	—	May 1, 1997

<u>Chemical</u>	<u>Type of Reproductive Toxicity</u>	<u>CAS No.</u>	<u>Date Listed</u>
Aspirin (NOTE: It is especially important not to use aspirin during the last three months of pregnancy, unless specifically directed to do so by a physician because it may cause problems in the unborn child or complications during delivery.)	developmental, female	50-78-2	July 1, 1990
Atenolol	developmental	29122-68-7	August 26, 1997
Auranofin	developmental	34031-32-8	January 29, 1999
Avermectin B1 (Abamectin)	developmental	71751-41-2	December 3, 2010
Azathioprine	developmental	446-86-6	September 1, 1996
Barbiturates	developmental	—	October 1, 1992
Beclomethasone dipropionate	developmental	5534-09-8	May 15, 1998
Benomyl	developmental, male	17804-35-2	July 1, 1991
Benzene	developmental, male	71-43-2	December 26, 1997
Benzodiazepines	developmental	—	October 1, 1992
Benzphetamine hydrochloride	developmental	5411-22-3	April 1, 1990
Bischloroethyl nitrosourea (BCNU) (Carmustine)	developmental	154-93-8	July 1, 1990
Bromacil lithium salt	developmental male	53404-19-6	May 18, 1999 January 17, 2003
1-Bromopropane	developmental, female, male	106-94-5	December 7, 2004
2-Bromopropane	female, male	75-26-3	May 31, 2005
Bromoxynil	developmental	1689-84-5	October 1, 1990
Bromoxynil octanoate	developmental	1689-99-2	May 18, 1999
Butabarbital sodium	developmental	143-81-7	October 1, 1992
1,3-Butadiene	developmental, female, male	106-99-0	April 16, 2004
1,4-Butanediol dimethane-sulfonate (Busulfan)	developmental	55-98-1	January 1, 1989
Butyl benzyl phthalate (BBP)	developmental	85-68-7	December 2, 2005
n-Butyl glycidyl ether	male	2426-08-6	August 7, 2009
Cadmium	developmental, male	—	May 1, 1997
Carbamazepine	developmental	298-46-4	January 29, 1999
Carbaryl	developmental, male	63-25-2	August 7, 2009
Carbon disulfide	developmental, female, male	75-15-0	July 1, 1989
Carbon monoxide	developmental	630-08-0	July 1, 1989
Carboplatin	developmental	41575-94-4	July 1, 1990
Chenodiol	developmental	474-25-9	April 1, 1990
Chlorambucil	developmental	305-03-3	January 1, 1989
Chlorcyclizine hydrochloride	developmental	1620-21-9	July 1, 1987
Chlordecone (Kepone)	developmental	143-50-0	January 1, 1989
Chlordiazepoxide	developmental	58-25-3	January 1, 1992
Chlordiazepoxide hydrochloride	developmental	438-41-5	January 1, 1992
1-(2-Chloroethyl)-3-cyclohexyl-1-nitrosourea (CCNU) (Lomustine)	developmental	13010-47-4	July 1, 1990
Chloroform	developmental	67-66-3	August 7, 2009
2-Chloropropionic acid	male	598-78-7	August 7, 2009
Chlorsulfuron	developmental, female, male	64902-72-3	May 14, 1999
Chromium (hexavalent compounds)	developmental, female, male	—	December 19, 2008
Cidofovir	developmental, female, male	113852-37-2	January 29, 1999
Cladribine	developmental	4291-63-8	September 1, 1996

<i>Chemical</i>	<i>Type of Reproductive Toxicity</i>	<i>CAS No.</i>	<i>Date Listed</i>
Clarithromycin	developmental	81103-11-9	May 1, 1997
Clobetasol propionate	developmental, female	25122-46-7	May 15, 1998
Clomiphene citrate	developmental	50-41-9	April 1, 1990
Clorazepate dipotassium	developmental	57109-90-7	October 1, 1992
Cocaine	developmental, female	50-36-2	July 1, 1989
Codeine phosphate	developmental	52-28-8	May 15, 1998
Colchicine	developmental, male	64-86-8	October 1, 1992
Conjugated estrogens	developmental	—	April 1, 1990
Cyanazine	developmental	21725-46-2	April 1, 1990
Cycloate	developmental	1134-23-2	March 19, 1999
Cyclohexanol	male	108-93-0	November 6, 1998
<u>Delisted January 25, 2002</u>			
Cycloheximide	developmental	66-81-9	January 1, 1989
Cyclophosphamide (anhydrous)	developmental, female, male	50-18-0	January 1, 1989
phosphamide (hydrated)	developmental, female, male	6055-19-2	January 1, 1989
Cyhexatin	developmental	13121-70-5	January 1, 1989
Cytarabine	developmental	147-94-4	January 1, 1989
Dacarbazine	developmental	4342-03-4	January 29, 1989
Danazol	developmental	17230-88-5	April 1, 1990
Daunorubicin hydrochloride	developmental	23541-50-6	July 1, 1990
2,4-D butyric acid	developmental, male	94-82-6	June 18, 1999
o,p' -DDT	developmental, female, male	789-02-6	May 15, 1998
p,p' -DDT	developmental, female, male	50-29-3	May 15, 1998
2,4 DP (dichloroprop)	developmental	120-36-5	April 27, 1999
<u>Delisted January 25, 2002</u>			
Demeclocycline hydrochloride (internal use)	developmental	64-73-3	January 1, 1992
Diazepam	developmental	439-14-5	January 1, 1992
Diazoxide	developmental	364-98-7	February 27, 2001
1,2-Dibromo-3-chloropropane (DBCP)	male	96-12-8	February 27, 1987
Di-n-butyl phthalate (DBP)	developmental, female, male	84-74-2	December 2, 2005
Dichloroacetic acid	male	79-43-6	August 7, 2009
1,1-Dichloro-2,2-bis(p-chlorophenyl) ethylene (DDE)	developmental, male	72-55-9	March 30, 2010
Dichlorophene	developmental	97-23-4	April 27, 1999
Dichlorphenamide	developmental	120-97-8	February 27, 2001
Diclofop methyl	developmental	51338-27-3	March 5, 1999
Dicumarol	developmental	66-76-2	October 1, 1992
Di(2-ethylhexyl)phthalate (DEHP)	developmental, male	117-81-7	October 24, 2003
Diethylstilbestrol (DES)	developmental	56-53-1	July 1, 1987
Diflunisal	developmental, female	22494-42-4	January 29, 1999
Diglycidyl ether	male	2238-07-5	August 7, 2009
Di-n-hexyl phthalate (DnHP)	female, male	84-75-3	December 2, 2005
Dihydroergotamine mesylate	developmental	6190-39-2	May 1, 1997
Di-isodecyl phthalate (DIDP)	developmental	68515-49-1/ 26761-40-0	April 20, 2007
Diltiazem hydrochloride	developmental	33286-22-5	February 27, 2001
N,N-Dimethylacetamide	developmental	127-19-5	May 21, 2010
m-Dinitrobenzene	male	99-65-0	July 1, 1990
o-Dinitrobenzene	male	528-29-0	July 1, 1990
p-Dinitrobenzene	male	100-25-4	July 1, 1990

<u>Chemical</u>	<u>Type of Reproductive Toxicity</u>	<u>CAS No.</u>	<u>Date Listed</u>
2,4-Dinitrotoluene	male	121-14-2	August 20, 1999
2,6-Dinitrotoluene	male	606-20-2	August 20, 1999
Dinitrotoluene (technical grade)	female, male	—	August 20, 1999
Dinocap	developmental	39300-45-3	April 1, 1990
Dinoseb	developmental, male	88-85-7	January 1, 1989
Diphenylhydantoin (Phenytoin)	developmental	57-41-0	July 1, 1987
Disodium cyanodithioimidocarbonate	developmental	138-93-2	March 30, 1999
Doxorubicin hydrochloride (Adriamycin)	developmental, male	25316-40-9	January 29, 1999
Doxycycline (internal use)	developmental	564-25-0	July 1, 1990
Doxycycline calcium (internal use)	developmental	94088-85-4	January 1, 1992
Doxycycline hyclate (internal use)	developmental	24390-14-5	October 1, 1991
Doxycycline monohydrate (internal use)	developmental	17086-28-1	October 1, 1991
Endrin	developmental	72-20-8	May 15, 1998
Environmental tobacco smoke (ETS)	developmental	—	June 9, 2006
Epichlorohydrin	male	106-89-8	September 1, 1996
Ergotamine tartrate	developmental	379-79-3	April 1, 1990
Estropipate	developmental	7280-37-7	August 26, 1997
Ethionamide	developmental	536-33-4	August 26, 1997
Ethyl alcohol in alcoholic beverages	developmental	—	October 1, 1987
Ethyl-tert-butyl ether	male	637-92-3	December 18, 2009
Ethyl dipropylthiocarbamate	developmental	759-94-4	April 27, 1999
Ethylene dibromide	developmental, male	106-93-4	May 15, 1998
Ethylene glycol monoethyl ether	developmental, male	110-80-5	January 1, 1989
Ethylene glycol monomethyl ether	developmental, male	109-86-4	January 1, 1989
Ethylene glycol monoethyl ether acetate	developmental, male	111-15-9	January 1, 1993
Ethylene glycol monomethyl ether acetate	developmental, male	110-49-6	January 1, 1993
Ethylene oxide	female	75-21-8	February 27, 1987
	developmental, male		August 7, 2009
Ethylene thiourea	developmental	96-45-7	January 1, 1993
2-Ethylhexanoic acid	developmental	149-57-5	August 7, 2009
Etodolac	developmental, female	41340-25-4	August 20, 1999
Etoposide	developmental	33419-42-0	July 1, 1990
Etretinate	developmental	54350-48-0	July 1, 1987
Fenoxaprop ethyl	developmental	66441-23-4	March 26, 1999
Filgrastim	developmental	121181-53-1	February 27, 2001
Fluazifop butyl	developmental	69806-50-4	November 6, 1998
Flunisolide	developmental, female	3385-03-3	May 15, 1998
Fluorouracil	developmental	51-21-8	January 1, 1989
Fluoxymesterone	developmental	76-43-7	April 1, 1998
Flurazepam hydrochloride	developmental	1172-18-5	October 1, 1992
Flurbiprofen	developmental, female	5104-49-4	August 20, 1999
Flutamide	developmental	13311-84-7	July 1, 1990
Fluticasone propionate	developmental	80474-14-2	May 15, 1998
Fluvalinate	developmental	69409-94-5	November 6, 1998
Ganciclovir	developmental, male	82410-32-0	August 26, 1997
Ganciclovir sodium	developmental, male	107910-75-8	August 26, 1997
Gemfibrozil	female, male	25812-30-0	August 20, 1999
Goserelin acetate	developmental, female, male	65807-02-5	August 26, 1997

<u>Chemical</u>	<u>Type of Reproductive Toxicity</u>	<u>CAS No.</u>	<u>Date Listed</u>
Halazepam	developmental	23092-17-3	July 1, 1990
Halobetasol propionate	developmental	66852-54-8	August 20, 1999
Haloperidol	developmental, female	52-86-8	January 29, 1999
Halothane	developmental	151-67-7	September 1, 1996
Heptachlor	developmental	76-44-8	August 20, 1999
Hexachlorobenzene	developmental	118-74-1	January 1, 1989
Hexafluoroacetone	male	684-16-2	August 1, 2008
Hexamethylphosphoramide	male	680-31-9	October 1, 1994
Histrelin acetate	developmental	—	May 15, 1998
Hydramethylnon	developmental, male	67485-29-4	March 5, 1999
Hydroxyurea	developmental	127-07-1	May 1, 1997
Idarubicin hydrochloride	developmental, male	57852-57-0	August 20, 1999
Ifosfamide	developmental	3778-73-2	July 1, 1990
Iodine-131	developmental	10043-66-0	January 1, 1989
Isotretinoin	developmental	4759-48-2	July 1, 1987
Lead	developmental, female, male	—	February 27, 1987
Leuprolide acetate	developmental, female, male	74381-53-6	August 26, 1997
Levodopa	developmental	59-92-7	January 29, 1999
Levonorgestrel implants	female	797-63-7	May 15, 1998
Linuron	developmental	330-55-2	March 19, 1999
Lithium carbonate	developmental	554-13-2	January 1, 1991
Lithium citrate	developmental	919-16-4	January 1, 1991
Lorazepam	developmental	846-49-1	July 1, 1990
Lovastatin	developmental	75330-75-5	October 1, 1992
Mebendazole	developmental	31431-39-7	August 20, 1999
Medroxyprogesterone acetate	developmental	71-58-9	April 1, 1990
Megestrol acetate	developmental	595-33-5	January 1, 1991
Melphalan	developmental	148-82-3	July 1, 1990
Menotropins	developmental	9002-68-0	April 1, 1990
Meprobamate	developmental	57-53-4	January 1, 1992
Mercaptopurine	developmental	6112-76-1	July 1, 1990
Mercury and mercury compounds	developmental	—	July 1, 1990
Methacycline hydrochloride	developmental	3963-95-9	January 1, 1991
Methanol	developmental	67-56-1	March 16, 2012
Metham sodium	developmental	137-42-8	May 15, 1998
Methazole	developmental	20354-26-1	December 1, 1999
Methimazole	developmental	60-56-0	July 1, 1990
Methotrexate	developmental	59-05-2	January 1, 1989
Methotrexate sodium	developmental	15475-56-6	April 1, 1990
Methyl bromide as a structural fumigant	developmental	74-83-9	January 1, 1993
Methyl chloride	developmental	74-87-3	March 10, 2000
	male		August 7, 2009
Methyl n-butyl ketone	male	591-78-6	August 7, 2009
Methyl isocyanate (MIC)	developmental, female	624-83-9	November 12, 2010
Methyl isopropyl ketone	developmental	563-80-4	February 17, 2012
Methyl mercury	developmental	—	July 1, 1987
N-Methylpyrrolidone	developmental	872-50-4	June 15, 2001
$\alpha$ -Methyl styrene	female	98-83-9	July 29, 2011
Methyltestosterone	developmental	58-18-4	April 1, 1990
Metiram	developmental	9006-42-2	March 30, 1999
Midazolam hydrochloride	developmental	59467-96-8	July 1, 1990

<u>Chemical</u>	<u>Type of Reproductive Toxicity</u>	<u>CAS No.</u>	<u>Date Listed</u>
Minocycline hydrochloride (internal use)	developmental	13614-98-7	January 1, 1992
Misoprostol	developmental	59122-46-2	April 1, 1990
Mitoxantrone hydrochloride	developmental	70476-82-3	July 1, 1990
Molinate	developmental, female, male	2212-67-1	December 11, 2009
Myclobutanil	developmental, male	88671-89-0	April 16, 1999
Nabam	developmental	142-59-6	March 30, 1999
Nafarelin acetate	developmental	86220-42-0	April 1, 1990
Neomycin sulfate (internal use)	developmental	1405-10-3	October 1, 1992
Netilmicin sulfate	developmental	56391-57-2	July 1, 1990
Nickel carbonyl	developmental	13463-39-3	September 1, 1996
Nicotine	developmental	54-11-5	April 1, 1990
Nifedipine	developmental, female, male	21829-25-4	January 29, 1999
Nimodipine	developmental	66085-59-4	April 24, 2001
Nitrapyrin	developmental	1929-82-4	March 30, 1999
Nitrobenzene	male	98-95-3	March 30, 2010
Nitrofurantoin	male	67-20-9	April 1, 1991
Nitrogen mustard (Mechlorethamine)	developmental	51-75-2	January 1, 1989
Nitrogen mustard hydrochloride (Mechlorethamine hydrochloride)	developmental	55-86-7	July 1, 1990
Nitrous oxide	developmental	10024-97-2	August 1, 2008
Norethisterone (Norethindrone)	developmental	68-22-4	April 1, 1990
Norethisterone acetate (Norethindrone acetate)	developmental	51-98-9	October 1, 1991
Norethisterone (Norethindrone) /Ethinyl estradiol	developmental	68-22-4/ 57-63-6	April 1, 1990
Norethisterone (Norethindrone)/Mestranol	developmental	68-22-4/ 72-33-3	April 1, 1990
Norgestrel	developmental	6533-00-2	April 1, 1990
Oxadiazon	developmental	19666-30-9	May 15, 1998
Oxazepam	developmental	604-75-1	October 1, 1992
p,p'-Oxybis(benzenesulfonyl hydrazide)	developmental	80-51-3	August 7, 2009
Oxydemeton methyl	female, male	301-12-2	November 6, 1998
Oxymetholone	developmental	434-07-1	May 1, 1997
Oxytetracycline (internal use)	developmental	79-57-2	January 1, 1991
Oxytetracycline hydrochloride (internal use)	developmental	2058-46-0	October 1, 1991
Oxythioquinox (Chinomethionat)	developmental	2439-01-2	November 6, 1998
Paclitaxel	developmental, female, male	33069-62-4	August 26, 1997
Paramethadione	developmental	115-67-3	July 1, 1990
Penicillamine	developmental	52-67-5	January 1, 1991
Pentobarbital sodium	developmental	57-33-0	July 1, 1990
Pentostatin	developmental	53910-25-1	September 1, 1996
Phenacemide	developmental	63-98-9	July 1, 1990
Phenprocoumon	developmental	435-97-2	October 1, 1992
Phenyl glycidyl ether	male	122-60-1	August 7, 2009
Phenylphosphine	developmental	638-21-1	August 7, 2009
Pimozide	developmental, female	2062-78-4	August 20, 1999
Pipobroman	developmental	54-91-1	July 1, 1990
Plicamycin	developmental	18378-89-7	April 1, 1990
Polybrominated biphenyls	developmental	—	October 1, 1994

<u>Chemical</u>	<u>Type of Reproductive Toxicity</u>	<u>CAS No.</u>	<u>Date Listed</u>
Polychlorinated biphenyls	developmental	—	January 1, 1991
Potassium dimethyldithiocarbamate	developmental	128-03-0	March 30 1999
Pravastatin sodium	developmental	81131-70-6	March 3, 2000
Prednisolone sodium phosphate	developmental	125-02-0	August 20, 1999
Procarbazine hydrochloride	developmental	366-70-1	July 1, 1990
Propargite	developmental	2312-35-8	June 15, 1999
Propylthiouracil	developmental	51-52-5	July 1, 1990
Pyrimethamine	developmental	58-14-0	January 29, 1999
Quazepam	developmental	36735-22-5	August 26, 1997
Quizalofop-ethyl	male	76578-14-8	December 24, 1999
Resmethrin	developmental	10453-86-8	November 6, 1998
Retinol/retinyl esters, when in daily dosages in excess of 10,000 IU, or 3,000 retinol equivalents. (NOTE: Retinol/retinyl esters are required and essential for maintenance of normal reproductive function. The recommended daily level during pregnancy is 8,000 IU.)	developmental	—	July 1, 1989
Ribavirin	developmental male	36791-04-5 36791-04-5	April 1, 1990 February 27, 2001
Rifampin	developmental, female	13292-46-1	February 27, 2001
Secobarbital sodium	developmental	309-43-3	October 1, 1992
Sermorelin acetate	developmental	—	August 20, 1999
Sodium dimethyldithiocarbamate	developmental	128-04-1	March 30 1999
Sodium fluoroacetate	male	62-74-8	November 6, 1998
Streptomycin sulfate	developmental	3810-74-0	January 1, 1991
Streptozocin (streptozotocin)	developmental, female, male	18883-66-4	August 20, 1999
Sulfasalazine (Salicylazosulfapyridine)	male	599-79-1	January 29, 1999
Sulfur dioxide	developmental	7446-09-5	July 29, 2011
Sulindac	developmental, female	38194-50-2	January 29, 1999
Tamoxifen citrate	developmental	54965-24-1	July 1, 1990
Temazepam	developmental	846-50-4	April 1, 1990
Teniposide	developmental	29767-20-2	September 1, 1996
Terbacil	developmental	5902-51-2	May 18, 1999
Testosterone cypionate	developmental	58-20-8	October 1, 1991
Testosterone enanthate	developmental	315-37-7	April 1, 1990
2,3,7,8-Tetrachlorodibenzo-para-dioxin (TCDD)	developmental	1746-01-6	April 1, 1991
Tetracycline (internal use)	developmental	60-54-8	October 1, 1991
Tetracyclines (internal use)	developmental	—	October 1, 1992
Tetracycline hydrochloride (internal use)	developmental	64-75-5	January 1, 1991
Thalidomide	developmental	50-35-1	July 1, 1987
Thioguanine	developmental	154-42-7	July 1, 1990
Thiophanate methyl	female, male	23564-05-8	May 18, 1999
Tobacco smoke (primary)	developmental, female, male	—	April 1, 1988
Tobramycin sulfate	developmental	49842-07-1	July 1, 1990
Toluene	developmental female	108-88-3	January 1, 1991 August 7, 2009
Triadimefon	developmental, female, male	43121-43-3	March 30, 1999
Triazolam	developmental	28911-01-5	April 1, 1990

<u>Chemical</u>	<u>Type of Reproductive Toxicity</u>	<u>CAS No.</u>	<u>Date Listed</u>
Tributyltin methacrylate	developmental	2155-70-6	December 1, 1999
Trientine hydrochloride	developmental	38260-01-4	February 27, 2001
Triforine	developmental	26644-46-2	June 18, 1999
1,3,5-Triglycidyl-s-triazinetriene	male	2451-62-9	August 7, 2009
Trilostane	developmental	13647-35-3	April 1, 1990
Trimethadione	developmental	127-48-0	January 1, 1991
Trimetrexate glucuronate	developmental	82952-64-5	August 26, 1997
Triphenyltin hydroxide	developmental	76-87-9	March 18, 2002
Uracil mustard	developmental, female, male	66-75-1	January 1, 199
Urethane	developmental	51-79-6	October 1, 1994
Urofollitropin	developmental	97048-13-0	April 1, 1990
Valproate (Valproic acid)	developmental	99-66-1	July 1, 1987
Vinblastine sulfate	developmental	143-67-9	July 1, 1990
Vinclozolin	developmental	50471-44-8	May 15, 1998
Vincristine sulfate	developmental	2068-78-2	July 1, 1990
4-Vinylcyclohexene	female, male	100-40-03	August 7, 2009
Vinyl cyclohexene dioxide (4-Vinyl-1-cyclohexene diepoxide)	female, male	106-87-6	August 1, 2008
Warfarin	developmental	81-81-2	July 1, 1987
Zileuton	developmental, female	111406-87-2	December 22, 2000

Date: March 16, 2012

**OFFICE OF ENVIRONMENTAL  
HEALTH HAZARD ASSESSMENT**

**SAFE DRINKING WATER AND TOXIC  
ENFORCEMENT ACT OF 1986 (Proposition 65)  
NOTICE TO INTERESTED PARTIES**

**March 16, 2012**

**CHEMICAL LISTED EFFECTIVE MARCH 16,  
2012**

**AS KNOWN TO THE STATE OF CALIFORNIA  
TO CAUSE REPRODUCTIVE TOXICITY:  
METHANOL**

Effective **March 16, 2012**, the Office of Environmental Health Hazard Assessment (OEHHA) is adding *methanol* (CAS No. 67-56-1) to the list of chemicals known to the State to cause reproductive toxicity for purposes of Proposition 65.<sup>1</sup>

The listing of *methanol* is based on formal identification by the National Toxicology Program (NTP), an au-

thoritative body,<sup>2</sup> in a report by the NTP Center for the Evaluation of Risks to Human Reproduction, that *methanol* causes reproductive toxicity (developmental endpoint). The criteria used by OEHHA for the listing of chemicals under the “authoritative bodies” mechanism can be found in Title 27, Cal. Code of Regs., section 25306.

The documentation supporting OEHHA’s determination that the criteria for administrative listing have been satisfied for methanol is included in the Notice of Intent to List published in the January 2, 2009 issue of the California Regulatory Notice Register (Register 2009, No. 1-Z).

A complete, updated chemical list is published in this issue of the *California Regulatory Notice Register* and is available on the OEHHA website at [www.oehha.ca.gov](http://www.oehha.ca.gov). In summary, methanol is being listed under Proposition 65 as known to the State to cause reproductive toxicity, as follows:

<sup>1</sup> The Safe Drinking Water and Toxic Enforcement Act of 1986, Health and Safety Code section 25249.5 et seq.

<sup>2</sup> See Health and Safety Code, section 25249.8(b) and Title 27, Cal. Code of Regs., section 25306.

Chemical	CASNo.	Toxicological Endpoints	Listing Mechanism <sup>3</sup>
Methanol	67-56-1	developmental	AB (NTP)

<sup>3</sup> Listing mechanism: AB — “authoritative bodies” mechanism (Title 27, Cal. Code of Regs. Section 25306).

**OFFICE OF ENVIRONMENTAL  
HEALTH HAZARD ASSESSMENT**

INTERPRETIVE GUIDELINE NO. 2012-01  
CONSUMPTION OF METHANOL RESULTING  
FROM PECTIN THAT OCCURS NATURALLY IN  
FRUITS AND VEGETABLES

**Summary**

Exposure to methanol in foods prepared from fruits and vegetables does not constitute an exposure within the meaning of Proposition 65<sup>1</sup> when the methanol results from pectin that occurs naturally in fruits and vegetables.<sup>2</sup>

**Scope of Interpretive Guideline**

The Office of Environmental Health Hazard Assessment (OEHHA) may issue an Interpretive Guideline that interprets Proposition 65 and its implementing regulations, as applied to specific facts. The Interpretive Guideline reflects OEHHA’s scientific interpretation of the available information as the lead agency for implementation of the Act.<sup>3</sup>

Methanol was listed as a chemical known to cause reproductive toxicity under Proposition 65, effective March 16, 2012.<sup>4</sup> This interpretative guideline applies only to methanol that is present in food as the result of enzymatic hydrolysis of naturally occurring pectin in fruits and vegetables. It does not apply to methanol that results from the intentional addition of pectin in the production or processing of food, or to non-food exposures.

**Methanol from fruits and vegetables**

Methanol occurs naturally in fruits and vegetables.<sup>5</sup> Methanol is also formed when fruits and vegetables are physically prepared for consumption by methods that

include, but are not limited to, slicing, chopping, pureeing and juicing.<sup>6,7</sup> Table 1 below shows some of the concentrations of methanol that have been reported in various vegetables, fruits and juices. The production of free methanol in all these instances is the result of hydrolysis of methylesters in pectin, a principal component of plant cell walls and the middle lamella between them, by the enzyme pectin methylesterase.<sup>6</sup> Pectin will break down to methanol when the plant cell walls and middle lamellae are disrupted, as can happen through physical processes of food preparation. This allows pectin methylesterases to reach the pectin that otherwise is generally unavailable to the enzymes.

**Table 1. Reported concentrations of methanol in vegetables, fruits and juices**

Product	Concentration (ppm)	Reference
Dried beans	1.5–7.9	WHO 1997 <sup>5</sup>
Split peas	3.6	WHO 1997 <sup>5</sup>
Lentils	4.4	WHO 1997 <sup>5</sup>
Fresh orange juice	11–80	Lund et al. 1981 <sup>7</sup>
Canned orange juice	12–60	Lund et al. 1981 <sup>7</sup>
Fresh grapefruit juice	13–40	Lund et al. 1981 <sup>7</sup>

Methanol is also produced when pectin is broken down by microorganisms in the digestive tract, after fruits or vegetables are eaten.<sup>8</sup> It has been reported that apples contain approximately 1% pectin, and that consumption of one kilogram of apples typically results in release of 0.5 grams of methanol in the human body.<sup>7</sup> Because the pectin methylesters in fruits and vegetables

<sup>1</sup> Safe Drinking Water and Toxic Enforcement Act of 1986, Health and Safety Code section 25249.5 *et seq.* Referred to herein as “Proposition 65” or “the Act.”

<sup>2</sup> Title 27, Cal. Code of Regs., section 25501 *et seq.*

<sup>3</sup> Health and Safety Code section 25249.12.

<sup>4</sup> California Proposition 65 list of chemicals known to cause cancer and reproductive toxicity. Most recent list is available at: [http://www.oehha.ca.gov/prop65/prop65\\_list/Newlist.htm](http://www.oehha.ca.gov/prop65/prop65_list/Newlist.htm).

<sup>5</sup> World Health Organization (1997). Environmental Health Criteria 196 Methanol. International Programme for Chemical Safety, World Health Organization, Geneva. ISBN 92 4 157196 9.

<sup>6</sup> Anthon GE and Barrett DM (2010). Changes in pectin methylesterification and accumulation of methanol during production of diced tomatoes. *Journal of Food Engineering* 97:367–372.

<sup>7</sup> Lund ED, Kirkland CL and Shaw EW (1981). Methanol, Ethanol and Acetaldehyde Contents of Citrus Products. *J. Agric. Food Chem.* 29:361–366.

<sup>8</sup> Lindinger W, Taucher J, Jordan A, Hansel A and Vogel W (1997). Endogenous Production of Methanol after the Consumption of Fruit. *Alcoholism: Clinical and Experimental Research* 21(5):939–943.

will break down to produce methanol either during food preparation or during subsequent digestion, the total amount of methanol released from consumption of chopped or otherwise physically prepared fruits and vegetables is not expected to be higher than the level that results from consumption of the equivalent amount of unprepared fruits or vegetables. Methanol is readily absorbed from the gastrointestinal tract.

**Treatment of naturally occurring chemicals in foods under Proposition 65**

Section 25501 of the Proposition 65 regulations addresses the occurrence of chemicals that are naturally occurring in food and that are also listed as known to cause cancer or reproductive toxicity under the Act:

“Human consumption of a food shall not constitute an ‘exposure’ for purposes of Section 25249.6 of the Act to a listed chemical in the food to the extent that the person responsible for the exposure can show that the chemical is naturally occurring in the food.”<sup>9</sup>

Under this regulation, ingestion of listed chemicals that are naturally occurring in food is not considered to be an exposure and therefore is not subject to Proposition 65 warning requirements. The Final Statement of Reasons for the regulation explains the basis for this regulation. For example,

“Chemicals which are currently subject to the requirement of warning prior to exposure include several chemicals which are naturally occurring constituents of food. The Act does not differentiate between exposures to naturally occurring chemicals and exposures to chemicals added by man. However, due to the abundance of foods which in their natural unprocessed state inherently contain low levels of carcinogens or reproductive toxicants, warnings could appear on a large number of food products, and consequently, diminish the overall significance of food warnings.”<sup>10</sup>

“... [T]he rationale for this special treatment of food is the historical desire to preserve naturally occurring foods in the American food supply, despite the presence in those foods of small amounts of potentially deleterious substances, as well as a recognition of the general safety of unprocessed foods as a matter of consumer experience . . . this exemption is derived from the distinction in state and federal food adulteration laws between naturally occurring substances in food and those which are added substances.”

<sup>9</sup> Title 27, Cal. Code of Regs., section 25501(a).

<sup>10</sup> Final Statement of Reasons for Sections 25501–25504 (Formerly 12501–12505). Available at [http://www.oehha.ca.gov/prop65/law/pdf\\_zip/12501\\_12504FSORJune1989.pdf](http://www.oehha.ca.gov/prop65/law/pdf_zip/12501_12504FSORJune1989.pdf).

The intent of the naturally occurring regulation is to exempt from the provisions of Proposition 65 exposures to those chemicals that occur naturally in food. It is limited to levels of these chemicals that occur in the food without addition by human activity and only when the exposure to the chemicals occurs by consumption of food.

**Methanol as naturally occurring under Proposition 65**

Methanol formation in fruits and vegetables that contain pectin is unavoidable. The consumer absorbs the methanol that is formed when fruits and vegetables are prepared for consumption, via digestion after the unprepared fruit or vegetable is eaten, or by some combination of these processes. Based on the available information, there is expected to be no meaningful difference in this regard between consumption of prepared and unprepared fruits and vegetables. Thus, methanol that is the by-product of naturally occurring pectin in the food is not considered an exposure under Section 25501. This applies to consumption of both unprepared and prepared fruits and vegetables. This Interpretive Guideline will remain in effect until it is withdrawn or modified by OEHHA.<sup>11</sup>

<sup>11</sup> Title 27, Cal. Code of Regs., section 25203(e).

**SUMMARY OF REGULATORY ACTIONS**

**REGULATIONS FILED WITH SECRETARY OF STATE**

This Summary of Regulatory Actions lists regulations filed with the Secretary of State on the dates indicated. Copies of the regulations may be obtained by contacting the agency or from the Secretary of State, Archives, 1020 O Street, Sacramento, CA 95814, (916) 653–7715. Please have the agency name and the date filed (see below) when making a request.

File# 2012–0217–04  
 BOARD OF BEHAVIORAL SCIENCES  
 Repeal of Section 1832.5 and Amendment of Section 1889.2, Changes Without Regulatory Effect

This action without regulatory effect makes changes to conform to recent statutory changes. Specifically:

It repeals title 16, section 1832.5, which dealt with the acceptance of degrees approved by the Bureau for Private Postsecondary and Vocational Education (BVPPE). The section has a provision making it inoperative if a successor agency is established. AB 48 established the Bureau of Private Postsecondary Education (BPPE).

The number of licenses issued by the Board of Behavioral Sciences was increased from three to four. This amends CCR title 16, section 1889.2(b) to reflect this.

Title 16  
 California Code of Regulations  
 AMEND: 1889.2 REPEAL: 1832.5  
 Filed 03/07/2012  
 Agency Contact: Rosa Helms (916) 574-7897

File# 2012-0123-02  
 BOARD OF EDUCATION  
 Conflict-of-Interest Code

This is a Conflict-of-Interest Code filing that has been approved by the Fair Political Practices Commission and is being submitted for filing with the Secretary of State and printing only.

Title 5  
 California Code of Regulations  
 AMEND: 18600  
 Filed 03/06/2012  
 Effective 04/05/2012  
 Agency Contact: Judy Cias (916) 319-0696

File# 2012-0213-02  
 CALIFORNIA ARCHITECTS BOARD  
 Exam Eligibility Requirements

The California Architects Board amended sections 2615 and 2620 of title 16 of the California Code of Regulations. Language is added to section 2615 to allow a candidate who has a Board-approved degree in landscape architecture or an extension certificate in landscape architecture from a Board-approved school to take the multiple-choice sections of the Landscape Architect Registration Examination early. Language is added to section 2620 to allow one year education credit for a degree in architecture which consists of at least a four-year curriculum that has been accredited by the National Architectural Accrediting Board or partial completion of either a degree in landscape architecture from an approved school or an extension certificate in landscape architecture from an approved school.

Title 16  
 California Code of Regulations  
 AMEND: 2615, 2620  
 Filed 03/07/2012  
 Effective 03/07/2012  
 Agency Contact: Trish Rodriguez (916) 575-7230

File# 2012-0224-02  
 CALIFORNIA POLLUTION CONTROL FINANCING AUTHORITY  
 California Capital Access Program for Small Business

This emergency regulatory action amends the definition section for the California Capital Access Program for Small Businesses. The definition of "Financial Institution" is amended to include microbusiness lenders as defined in section 13997.2 of the Government Code that require a minimum of four hours of preloan business technical and/or credit assistance to borrowers and a minimum of two hours of postloan assistance each year, and are subject to an audit requirement by its federal or state regulated funding source. This is an effort to conform to new legislation (Stats. 2011, c. 483 (A.B. 901), sec. 2.). This action is a statutory deemed emergency pursuant to Health and Safety Code section 44520, subdivision (b).

Title 4  
 California Code of Regulations  
 AMEND: 8070  
 Filed 03/02/2012  
 Effective 03/02/2012  
 Agency Contact: Jillian Franzoia (916) 653-3993

File# 2012-0222-01  
 CALIFORNIA POLLUTION CONTROL  
 FINANCING AUTHORITY  
 California Capital Access Program for Small Business

This is the certification of compliance for an emergency action that updated a few minor aspects of the California Capital Access Program for Small Business in an effort to conform to new legislation and simplify requirements for participating financial institutions.

Title 4  
 California Code of Regulations  
 AMEND: 8070, 8072, 8073, 8074  
 Filed 02/29/2012  
 Effective 02/29/2012  
 Agency Contact: Jillian Franzoia (916) 653-3993

File# 2012-0207-01  
 CALIFORNIA SCHOOL FINANCE AUTHORITY  
 Charter School Facilities Program

The California School Finance Authority submitted this timely Certificate of Compliance action to make permanent the amendment and repeal of several sections from title 4 of the California Code of Regulations that resulted from OAL File No. 2011-1024-01E. The purpose of the emergency action was to clarify, clean-up, and update the regulations pertaining to the Charter School Facilities Program. The program provides funding for site acquisition and construction of facilities for charter schools.

Title 4  
 California Code of Regulations  
 AMEND: 10152, 10153, 10154, 10155, 10157,  
 10159, 10160, 10161, 10162 REPEAL: 10156,  
 10158, 10164  
 Filed 03/05/2012  
 Effective 03/05/2012  
 Agency Contact:  
 Katrina Johantgen (213) 620-2305

File# 2012-0118-01  
**CALIFORNIA STUDENT AID COMMISSION**  
 Cal Grant Program & Mandatory Systemwide Fees

This is a Certificate of Compliance for the California Student Aid Commission's adoption of section 30001.5 in Title 5 of the California Code of Regulations which established that "tuition" and/or "tuition fees" are considered to be among the mandatory systemwide fees which are eligible for coverage by a Cal Grant award at the University of California and the California State University system.

Title 5  
 California Code of Regulations  
 ADOPT: 30001.5  
 Filed 03/01/2012  
 Effective 03/01/2012  
 Agency Contact:  
 Kristen Trimarche (916) 464-6439

File# 2012-0125-02  
**COMMISSION ON STATE MANDATES**  
 Conflict-of-Interest Code

The Commission on State Mandates is amending its conflict-of-interest code found at title 2, section 1189.10, California Code of Regulations. The amendment was approved for filing by the Fair Political Practices Commission on January 11, 2012.

Title 2  
 California Code of Regulations  
 AMEND: 1189.10  
 Filed 03/06/2012  
 Effective 04/05/2012  
 Agency Contact: Heidi Palchik (916) 323-8218

File# 2012-0301-01  
**DEPARTMENT OF FOOD AND AGRICULTURE**  
 Annual Device Administrative Fee

This rulemaking adopts Title 4 section 4075. The purpose of this rulemaking is to adopt an administrative fee on registered businesses operating commercial weighing, measuring, and counting devices. The fee is

based on device type and is applicable to every commercial device registered with each county office of weights and measures. The regulations also establish a payment schedule, due dates and the maximum amount of the fee that counties may retain to cover their costs associated with the collection of the fee.

Title 4  
 California Code of Regulations  
 ADOPT: 4075  
 Filed 03/06/2012  
 Effective 03/06/2012  
 Agency Contact: David Lazier (916) 229-3044

File# 2012-0126-01  
**DEPARTMENT OF FOOD AND AGRICULTURE**  
 Rendering Regulations

The Department of Food and Agriculture proposed to amend, reorganize, repeal, and adopt new sections in title 3 of the California Code of Regulations relating to the rendering industry. This rulemaking action also incorporates by reference specified forms used by the Meat, Poultry and Egg Safety Branch of the Department for use in the rendering industry.

Title 3  
 California Code of Regulations  
 ADOPT: 1180, 1180.20, 1180.22, 1180.23, 1180.24,  
 1180.25, 1180.27, 1180.28, 1180.29, 1180.30,  
 1180.31, 1180.32, 1180.33, 1180.34, 1180.35,  
 1180.36, 1180.37, 1180.38, 1180.39 AMEND:  
 1180.1, 1180.2, 1180.3, 1180.3.1, 1180.3.2,  
 1180.13, 1180.14, 1180.15, 1180.16, 1180.17,  
 1180.18, 1180.19, 1180.31, 1180.32, 1180.33,  
 1180.34, 1180.35, 1180.36, 1180.37, 1180.38,  
 1180.39, 1180.40, 1180.41 REPEAL: 1180,  
 1180.21, 1180.22, 1180.23, 1180.24, 1180.25,  
 1180.26, 1180.27, 1180.28, 1180.29, 1180.30  
 Filed 03/07/2012  
 Effective 04/06/2012  
 Agency Contact: Nancy Grillo (916) 900-5000

File# 2012-0130-03  
**NEW MOTOR VEHICLE BOARD**  
 Annual Board Fee

This action increases the Vehicle Code section 11723 annual license fee for a new motor vehicle dealer or dealer branch from \$225 to \$300 per year. It also increases the Vehicle Code section 3016 annual fee paid by new motor vehicle manufacturers or distributors per new motor vehicle sold, leased or distributed in California from \$.338 to \$.45 subject to a minimum fee of \$300 per year.

Title 13  
 California Code of Regulations  
 AMEND: 553  
 Filed 02/29/2012  
 Effective 03/30/2012  
 Agency Contact: Randi Calkins (916) 657-8898

File# 2012-0123-01  
**PUBLIC EMPLOYEES' RETIREMENT SYSTEM**  
 Conflict-of-Interest Code

The California Public Employees' Retirement System is amending its conflict-of-interest code found at title 2, section 560, California Code of Regulations. The changes were approved for filing by the Fair Political Practices Commission on January 11, 2012.

Title 2  
 California Code of Regulations  
 AMEND: 560  
 Filed 03/02/2012  
 Effective 04/01/2012  
 Agency Contact: Marte Castanos (916) 326-3675

File# 2012-0127-02  
**PUBLIC EMPLOYEES RETIREMENT SYSTEM**  
 Terminated Agency Pool Asset Allocation Strategy

This rulemaking action authorizes the Public Employees' Retirement System Board to invest assets pooled in the Terminated Agency Pool (Pool) in accordance with the strategic investment policy and/or asset allocation strategy determined by the Board and to credit the Pool with income and interest earned in accordance with such policy and/or strategy.

Title 2  
 California Code of Regulations  
 ADOPT: 589.11  
 Filed 03/06/2012  
 Effective 04/05/2012  
 Agency Contact: Christina Nutley (916) 795-2397

File# 2012-0127-01  
**STATE WATER RESOURCES CONTROL BOARD**  
 TMDL for Pesticides and Polychlorinated Biphenyls in Machado Lake

The State Water Resources Control Board (Board) adopted section 3939.42 of title 23 of the California Code of Regulations which would provide a summary of the amendment to the Water Quality Control Plan for the Los Angeles Region adopted on September 9, 2009 by the Los Angeles Regional Water Quality Control Board in Resolution No. R10-008. This amendment established a total maximum daily load (TMDL) for

Pesticides and Polychlorinated Biphenyls (PCBs) in Machado Lake.

Title 23  
 California Code of Regulations  
 ADOPT: 3939.42  
 Filed 02/29/2012  
 Effective 02/29/2012  
 Agency Contact: Nick Martorano (213) 576-6694

**CCR CHANGES FILED  
 WITH THE SECRETARY OF STATE  
 WITHIN October 12, 2011 TO  
 March 7, 2012**

All regulatory actions filed by OAL during this period are listed below by California Code of Regulations titles, then by date filed with the Secretary of State, with the Manual of Policies and Procedures changes adopted by the Department of Social Services listed last. For further information on a particular file, contact the person listed in the Summary of Regulatory Actions section of the Notice Register published on the first Friday more than nine days after the date filed.

- Title 2**
- 03/06/12 ADOPT: 589.11
  - 03/06/12 AMEND: 1189.10
  - 03/02/12 AMEND: 560
  - 02/16/12 AMEND: 18401.1
  - 02/13/12 AMEND: 18943
  - 01/31/12 ADOPT 260.1, 261.1 AMEND 258, 260, 262
  - 01/31/12 AMEND 640
  - 01/26/12 AMEND 37000
  - 01/23/12 ADOPT: 1880
  - 01/23/12 ADOPT: 18940.1, 18942.2, 18942.3 AMEND: 18940, 18940.2, 18941, 18942, 18942.1, 18943, 18944.1, 18944.2, 18944.3, 18945, 18945.1, 18945.2, 18946, 18946.1, 18946.2, 18946.3, 18946.4, 18946.5 REPEAL: 18941.1, 18943, 18945.3, 18946.5
  - 01/18/12 AMEND: Div. 8, Ch. 35, Sec. 52400
  - 01/10/12 AMEND: 18423, 18539, 18550
  - 01/05/12 ADOPT: 18404.2
  - 01/05/12 ADOPT: 18227.5, 18247.5 REPEAL: 18247.5
  - 12/28/11 AMEND: 1859.76
  - 12/21/11 AMEND: 1859.90.2, 1859.81
  - 12/07/11 ADOPT: 18316.6, 18361.11 AMEND: 18360, 18361, 18361.4
  - 11/22/11 AMEND: 559
  - 11/08/11 ADOPT: 18421.31
  - 10/27/11 AMEND: 18404.1
  - 10/26/11 ADOPT: 18237

**CALIFORNIA REGULATORY NOTICE REGISTER 2012, VOLUME NO. 11-Z**

10/18/11 AMEND: 1859.166.2  
 10/17/11 AMEND: 25001  
 10/12/11 AMEND: 59690

**Title 3**

03/07/12 ADOPT: 1180, 1180.20, 1180.22, 1180.23, 1180.24, 1180.25, 1180.27, 1180.28, 1180.29, 1180.30, 1180.31, 1180.32, 1180.33, 1180.34, 1180.35, 1180.36, 1180.37, 1180.38, 1180.39  
 AMEND: 1180.1, 1180.2, 1180.3, 1180.3.1, 1180.3.2, 1180.13, 1180.14, 1180.15, 1180.16, 1180.17, 1180.18, 1180.19, 1180.31, 1180.32, 1180.33, 1180.34, 1180.35, 1180.36, 1180.37, 1180.38, 1180.39, 1180.40, 1180.41  
 REPEAL: 1180, 1180.21, 1180.22, 1180.23, 1180.24, 1180.25, 1180.26, 1180.27, 1180.28, 1180.29, 1180.30  
 02/28/12 ADOPT: 2320.1, 2320.2, 2322, 2322.1, 2322.2, 2322.3, 2323 AMEND: 2300, 2300.1, 2302, 2303, 2320, 2321  
 02/23/12 AMEND: 3700(c)  
 02/13/12 AMEND: 3591.2(a)  
 02/06/12 AMEND: 3435(b)  
 02/02/12 AMEND: 3423(b)  
 01/23/12 ADOPT: 588  
 01/18/12 ADOPT: 3591.25  
 01/06/12 AMEND: 3591.2(a)  
 12/29/11 AMEND: 3280  
 12/20/11 AMEND: 3407(e)  
 12/05/11 AMEND: 1408.6  
 11/29/11 AMEND: 3591.15(a)  
 11/14/11 AMEND: 3437(b)  
 11/10/11 AMEND: 6000, 6361, 6400, 6460, 6464, 6470, 6502, 6512, 6524, 6560, 6562, 6564, 6625, 6626, 6625, 6632, 6728, 6761, 6780  
 11/10/11 AMEND: 3589(a)  
 10/26/11 AMEND: 1430.142  
 10/19/11 AMEND: 3423(b)  
 10/12/11 AMEND: 3906

**Title 4**

03/06/12 ADOPT: 4075  
 03/05/12 AMEND: 10152, 10153, 10154, 10155, 10157, 10159, 10160, 10161, 10162  
 REPEAL: 10156, 10158, 10164  
 03/02/12 AMEND: 8070  
 02/29/12 AMEND: 8070, 8072, 8073, 8074  
 02/22/12 AMEND: 10176, 10177, 10178, 10182, 10188  
 02/16/12 AMEND: 12572  
 02/14/12 AMEND: 1844  
 02/14/12 AMEND: 1843.3  
 02/08/12 AMEND: 66

02/03/12 AMEND: 5000, 5052  
 12/30/11 ADOPT: 4000.1, 4000.2, 4000.3  
 12/21/11 ADOPT: 12349  
 12/09/11 ADOPT: 5205 AMEND: 5000, 5054, 5144, 5170, 5190, 5200, 5230, 5350, 5370 REPEAL: 5133  
 12/07/11 AMEND: 1433  
 12/05/11 AMEND: 10325(c)(8)  
 11/28/11 AMEND: 1632  
 11/07/11 AMEND: 8070, 8072, 8073, 8074  
 11/03/11 AMEND: 10152, 10153, 10154, 10155, 10157, 10159, 10160, 10161, 10162  
 REPEAL: 10156, 10158, 10164

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03/06/12 AMEND: 18600  
 03/01/12 ADOPT: 30001.5  
 02/27/12 AMEND: 42397.2, 42397.6  
 02/09/12 ADOPT: 19824.1, 19841, 19851.1, 19854.1 AMEND: 19816, 19816.1, 19824, 19850, 19851, 19854  
 02/09/12 ADOPT: 27100, 27101, 27102, 27103  
 01/10/12 AMEND: 9510, 9510.5, 9511, 9512, 9513, 9514, 9515, 9516, 9517, 9517.1, 9519, 9520, 9521, 9524, 9525, 18533, 18600  
 12/19/11 ADOPT: 30001.5  
 12/16/11 AMEND: 53309, 53310  
 12/14/11 AMEND: 55150, 55151, 55154, 55155  
 REPEAL: 55152, 55153  
 11/16/11 ADOPT: 11968.5.1, 11968.5.2, 11968.5.3, 11968.5.4, 11968.5.5  
 AMEND: 11960, 11965, 11969 (renumbered 11968.1), 11969.1  
 10/27/11 ADOPT: 4800, 4800.1, 4800.3, 4800.5, 4801, 4802, 4802.05, 4802.1, 4802.2, 4803, 4804, 4805, 4806, 4807, 4808  
 10/24/11 ADOPT: 11966.4, 11966.5, 11966.6, 11966.7 AMEND: 11967, 11967.5.1  
 10/18/11 ADOPT: 10120.1, 10121

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02/23/12 AMEND: 1905  
 02/16/12 AMEND: 5155  
 02/08/12 AMEND: 1675, 3276, 3278  
 02/08/12 ADOPT: 374.2 AMEND: 350.1, 371, 371.1, 376  
 02/01/12 AMEND 1504, 1591, 1597  
 01/24/12 AMEND: 5155  
 01/19/12 ADOPT: 9708.1, 9708.2, 9708.3, 9708.4, 9708.5, 9708.6  
 01/18/12 ADOPT: 1615.3 AMEND: 1532.1, 3361, 5042, 5044, 5045, 5047, 5049, 5144, 5191, 5198, 5209, 8355  
 01/05/12 AMEND: 4188  
 12/29/11 AMEND: 3276, 3287

12/29/11 ADOPT: 32802, 32804 AMEND: 32380, 32603, 32604  
 12/27/11 AMEND: 343  
 12/13/11 ADOPT: 8351, 8356, 8376.1, 8378.1, 8387, 8391.1, 8391.2, 8391.4, 8391.5, 8391.6, 8397.6 AMEND: 5194.1, 8354, 8376, 8378, 8384, 8391, 8391.3, 8397.2, 8397.3, 8397.4, 8397.5  
 12/12/11 AMEND: 1541.1  
 12/07/11 ADOPT: 16450, 16451, 16452, 16454, 16455 AMEND: 16423, 16433 REPEAL: 16450, 16451, 16452, 16453, 16454, 16455  
 11/07/11 AMEND: 6051  
 10/27/11 ADOPT: 2320.10, 2940.10 AMEND: 1512, 3400  
 10/17/11 AMEND: 230.1(a)  
 10/17/11 ADOPT: 207.1 AMEND: 201, 202, 203, 207

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02/16/12 AMEND: 2498.6  
 02/13/12 AMEND: 2202  
 02/08/12 AMEND: 2222.12  
 02/03/12 AMEND: 2699.6700, 2699.6709, 2699.6721, 2699.6725  
 01/24/12 AMEND: 2548.1, 2548.2, 2548.3, 2548.4, 2548.5, 2548.6, 2548.7, 2548.8, 2548.9, 2548.10, 2548.11, 2548.12, 2548.13, 2548.14, 2548.15, 2548.16, 2548.17, 2548.18, 2548.19, 2548.20, 2548.21, 2548.22, 2548.23, 2548.24, 2548.25, 2548.26, 2548.27, 2548.28, 2548.29, 2548.30, 2548.31  
 01/11/12 AMEND: 260.204.9  
 01/09/12 AMEND: 2699.6707  
 12/19/11 AMEND: 2498.5  
 12/19/11 AMEND: 2498.4.9  
 12/19/11 AMEND: 2498.6  
 12/09/11 AMEND: 2698.302  
 12/09/11 AMEND: 2699.301  
 11/21/11 ADOPT: 1580, 1581, 1582, 1583, 1584, 1585, 1586, 1587, 1588, 1589, 1590, 1591, 1592, 1593, 1594, 1595, 1596  
 10/20/11 AMEND: 2222.12

**Title 11**

01/03/12 ADOPT: 999.24, 999.25, 999.26, 999.27, 999.28, 999.29 AMEND: 999.10, 999.11, 999.14, 999.16, 999.17, 999.19, 999.20, 999.21, 999.22  
 12/28/11 AMEND: 101.1  
 12/27/11 AMEND: 4001, 4002, 4003, 4004, 4005, 4006, 4016, 4017, 4018, 4019, 4021, 4022, 4023, 4024, 4030, 4031, 4032, 4033, 4034, 4035, 4036, 4037, 4039,

4040, 4041, 4045, 4046, 4047, 4048, 4049, 4050, 4051, 4052, 4053, 4054, 4055, 4056, 4057, 4058, 4059, 4060, 4061, 4062, 4063, 4064, 4065, 4066, 4067, 4068, 4069, 4070, 4071, 4072, 4073, 4074, 4075, 4080, 4081, 4082, 4083, 4084, 4085, 4086, 4087, 4090, 4091, 4092, 4093, 4094, 4095, 4096, 4097, 4098, 4099, 4100, 4101, 4102, 4103, 4104, 4105, 4106, 4107, 4108, 4109, 4125, 4126, 4127, 4128, 4129, 4130, 4131, 4132, 4133, 4134, 4135, 4136, 4137, 4138, 4139, 4140, 4141, 4142, 4144, 4145, 4146, 4147, 4148, 4149, 4150, 4151, 4152, 4153, 5455, 5459, 5469, 5470, 5471, 5473, 5480, 5482, 5483, 5484, 5495, 5499 REPEAL: 4020, 4038, 4088, 4089, 4143, 5472, 5481, 5470, 5471

12/15/11 AMEND: 101.2  
 12/08/11 ADOPT: 117.1  
 11/14/11 AMEND: 1008  
 11/01/11 AMEND: 1009  
 10/25/11 AMEND: 1005, 1007, 1008

**Title 13**

02/29/12 AMEND: 553  
 02/13/12 REPEAL: 158.00  
 12/14/11 AMEND: 2025  
 12/14/11 AMEND: 2449, 2449.1, 2449.3 (renumbered to 2449.2), 2775, 2775.1, 2775.2 REPEAL: 2449.2  
 12/05/11 AMEND: 553.70  
 11/22/11 AMEND: 1956.8  
 11/17/11 AMEND: 1233  
 11/09/11 AMEND: 2027  
 11/08/11 AMEND: 1

**Title 13, 17**

10/27/11 AMEND: 2299.2, 93118.2

**Title 14**

02/24/12 AMEND: 29.15  
 02/13/12 AMEND: 29.17, 127  
 02/08/12 AMEND: 1257  
 01/31/12 AMEND 29.15  
 01/26/12 ADOPT 18940, 18941, 18942, 18943, 18944, 18945, 18945.1, 18945.2, 18945.3, 18946, 18947, 18948  
 01/25/12 AMEND: 18419  
 01/23/12 ADOPT: 1665.1, 1665.2, 1665.3, 1665.4, 1665.5, 1665.6, 1665.7, 1665.8  
 01/09/12 AMEND: 7.00, 7.50(b)(68)  
 01/05/12 ADOPT: 749.7  
 01/05/12 AMEND: 895.1, 898.1, 1037.3, 1090.17, 1092.18  
 12/20/11 AMEND: 11900

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12/20/11 ADOPT: 4970.24.2 AMEND: 4970.00, 1397.67, 1397.68, 1397.69, 1397.70, 4970.01, 4970.03, 4970.04, 4970.05, 1397.71  
 4970.06.1, 4970.07, 4970.07.2, 4970.08, 02/09/12 AMEND: 28 REPEAL: 30  
 4970.10.1, 4970.10.2, 4970.10.3, 02/08/12 ADOPT: 1018.05 AMEND: 1020  
 4970.10.4, 4970.11, 4970.13, 4970.15.1, 02/01/12 ADOPT 3340.16.4 AMEND 3306, 3340.1, 3340.10, 3340.15, 3340.16.5, 3340.17, 3340.22, 3340.22.1, 3340.23, 3340.28, 3340.29, 3340.30, 3340.31, 3340.50, 3351.1 3340.16.4 3306, 3340.1, 3340.10, 3340.15, 3340.16.5, 3340.17, 3340.22, 3340.22.1, 3340.23, 3340.28, 3340.29, 3340.30, 3340.31, 3340.50, 3351.1  
 12/09/11 AMEND: 15062, 15075, 15094, Appendix D and Appendix E  
 12/08/11 AMEND: 632  
 12/07/11 AMEND: 870.17, 870.19  
 11/22/11 AMEND: 791.7, 870.17  
 11/17/11 AMEND: 163, 164  
 11/15/11 AMEND: 700.4, 701, 705 REPEAL: 704

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02/22/12 AMEND: 173  
 02/22/12 ADOPT: 4845, 4849, 4853, 4854, 4939.5, 4961.1, 4977.5, 4977.6, 4977.7, 4983.5 AMEND: 4846, 4847, 4848, 4848.5, 4850, 4852, 4900, 4925, 4926, 4927, 4928, 4929, 4935, 4936, 4937, 4938, 4939, 4940, 4977, 4978, 4979, 4980, 4981, 4982, 4983  
 01/19/12 ADOPT: 3076.4, 3076.5 AMEND: 3076, 3076.1, 3076.2, 3076.3  
 01/11/12 REPEAL: 3999.8  
 01/05/12 AMEND: 3140  
 12/22/11 AMEND: 3052, 3062  
 12/20/11 AMEND: 3040.1, 3043, 3043.6, 3044, 3045.1  
 12/13/11 ADOPT: 3504.1, 3504.2  
 12/09/11 AMEND: 3000, 3006, 3170.1, 3172.1, 3173.2, 3315, 3323  
 12/05/11 ADOPT: 1712.1, 1714.1, 1730.1, 1740.1, 1748.5 AMEND: 1700, 1706, 1712, 1714, 1730, 1731, 1740, 1747, 1747.1, 1747.5, 1748, 1751, 1752, 1753, 1754, 1756, 1760, 1766, 1767, 1768, 1770, 1772, 1776, 1778, 1788 REPEAL: 1757  
 12/01/11 ADOPT: 3571, 3582, 3590, 3590.1, 3590.2, 3590.3 AMEND: 3000  
 11/14/11 AMEND: 3341.5, 3375.2, 3377.1  
 11/10/11 ADOPT: 3359.1, 3359.2, 3359.3, 3359.4, 3359.5, 3359.6 AMEND: 3000  
 10/25/11 ADOPT: 2240  
 01/17/12 ADOPT: 1707.6 AMEND: 1707.2  
 01/11/12 AMEND: 109, 117, 121  
 01/10/12 AMEND: 12, 12.5, 98 REPEAL: 9, 11.5  
 01/10/12 AMEND: 2328.1  
 01/06/12 ADOPT: 3340.38  
 12/28/11 AMEND: 1399.157, 1399.160, 1399.160.3, 1399.160.6  
 12/22/11 ADOPT: 601.6, 601.7, 601.8, 601.9, 601.10 AMEND: 600.1  
 12/12/11 AMEND: 1361  
 11/22/11 ADOPT: 858, 858.1, 858.2, 858.3, 858.4, 858.5, 858.6, 858.7, 858.8, 858.9  
 11/16/11 AMEND: 950.1, 950.4, 950.5 REPEAL: 962.3, 962.4, 962.5, 962.6  
 11/01/11 ADOPT: 3392.2.1, 3392.3.1, 3392.4, 3392.5.1, 3392.6.1 AMEND: 3340.1, 3340.16, 3340.16.5, 3340.41, 3392.1, 3392.2, 3392.3, 3392.5, 3392.6  
 10/25/11 REPEAL: 929  
 10/17/11 AMEND: 2300, 2302, 2303, 2304, 2311, 2315, 2320, 2321, 2322, 2324, 2326, 2326.1, 2327, 2328, 2328.1, 2329, 2330, 2331, 2332, 2336, 2337, 2338, 2339, 2340, 2351, 2370, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388  
 10/12/11 ADOPT: 1070.6, 1070.7, 1070.8 AMEND: 1070, 1070.1, 1070.2, 1071 REPEAL: 1071.1

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03/07/12 AMEND: 2615, 2620  
 03/07/12 AMEND: 1889.2 REPEAL: 1832.5  
 02/27/12 AMEND: 2, 8.2, 9.1, 26, 49, 58, 59, 62, 65, 75.4, 87, 87.5, 88, 88.1, 88.2, 89, 90, 94 REPEAL: 5.1, 7, 7.2  
 02/16/12 AMEND: 1397.60, 1397.61, 1397.62, 1397.63, 1397.64, 1397.65, 1397.66, 02/21/12 AMEND: 95486  
 02/15/12 AMEND: 95802, 95833, 95841.1, 95852, 95852.1.1, 95852.2, 95870, 95891, 95892, 95914, 95920, 95971, 95974, 95975, 95977.1, 95979, 95980, 95981, 95981.1, 95985, 95986, 95987, 95990, 95993, 95994, 96021 REPEAL: 95893, 95943

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01/26/12	AMEND 6540	02/06/12	AMEND: 80001, 80075, 83000, 83001, 84001, 84061, 86001, 88001
01/17/12	AMEND: 50602, 50604, 50607, 50612, 54326	01/31/12	ADOPT 126010, 126020, 126030, 126040, 126042, 126050, 126055, 126060, 126070, 126072, 126074, 126076, 126090 126010, 126020, 126030, 126040, 126042, 126050, 126055, 126060, 126070, 126072, 126074, 126076, 126090
12/27/11	ADOPT: 54311 AMEND: 54302, 54310, 54314, 54320, 54326, 54332, 54370	01/26/12	AMEND 50273
12/15/11	AMEND: 6020, 6035, 6051, 6065, 6070, 6075	12/28/11	AMEND: 97232, 97240, 97247
12/14/11	ADOPT: 95116, 95117, 95118, 95119, 95120, 95121, 95122, 95123, 95129, 95150, 95151, 95152, 95153, 95154, 95155, 95156, 95157 AMEND: 95100, 95101, 95102, 95103, 95104, 95105, 95106, 95107, 95108, 95109, 95110, 95111, 95112, 95113, 95114, 95115, 95130, 95131, 95132, 95133 REPEAL: 95125	12/27/11	AMEND: 51516.1
12/13/11	ADOPT: 95801, 95802, 95810, 95811, 95812, 95813, 95814, 95820, 95821, 95830, 95831, 95832, 95833, 95834, 95840, 95841, 95841.1, 95850, 95851, 95852, 95852.1, 95852.1.1, 95852.2, 95853, 95854, 95855, 95856, 95857, 95858, 95870, 95890, 95891, 95892, 95910, 95911, 95912, 95913, 95914, 95920, 95921, 95922, 95940, 95941, 95942, 95970, 95971, 95972, 95973, 95974, 95975, 95976, 95977, 95977.1, 95977.2, 95978, 95979, 95980, 95980.1, 95981, 95981.1, 95982, 95983, 95984, 95985, 95986, 95987, 95988, 95990, 95991, 95992, 95993, 95994, 95995, 96010, 96011, 96012, 96013, 96014, 96020, 96021, 96022	12/20/11	ADOPT: 69401, 69401.1, 69401.2, 69402, 69402.1, 69402.2, 69402.3, 69402.4, 69402.5, 69402.6, 69403, 69403.1, 69403.2, 69403.3, 69403.4, 69403.5, 69403.6, 69403.7, 69403.8, 69403.9, 69403.10, 69403.11, 69403.12, 69403.13, 69403.14, 69403.15, 69403.16, 69403.17, 69404, 69404.1, 69404.2, 69404.3, 69404.4, 69404.5, 69404.6, 69404.7, 69404.8, 69404.9, 69404.10, 69405, 69405.1, 69405.2, 69405.3, 69405.4, 69405.5, 69405.6, 69405.7, 69405.8, 69406, 69406.1, 69406.2, 69406.3, 69407, 69407.1, 69407.2
12/12/11	ADOPT: 95312 AMEND: 95300, 95301, 95302, 95303, 95304, 95305, 95306, 95307, 95308, 95309, 95310, 95311	12/06/11	AMEND: 40741
11/17/11	REPEAL: 901	11/21/11	AMEND: 66260.11, 66260.12, 66262.53, 66262.56, 66263.32, 66264.12, 66264.71, 66264.72, 66265.12, 66265.71, 66265.72
11/10/11	AMEND: 94508, 94509, 94510, 94512, 94515	<b>Title 22/MPP</b>	
<b>Title 18</b>		11/10/11	AMEND: 35000, 35001, 35325, 35326, 35329, 35331, 35333, 35334, 35337, 35339, 35341, 35343, 35344, 35345, 35351, 35352, 35352.1, 35352.2, 45-801, 45-802, 45-803, 45-804, 45-805, 45-806, 45-807 REPEAL: 35327, 35347, 35352.3
02/27/12	ADOPT: 25136-2	<b>Title 23</b>	
02/07/12	AMEND: 1807, 1828	02/29/12	ADOPT: 3939.42
01/11/12	AMEND: 1616	02/27/12	ADOPT: 3919.12
01/09/12	AMEND: 1532, 1533.1, 1534, 1535	02/15/12	ADOPT: 20, 21, 22, 23, 24, 25, 26, 27 AMEND: 4, 5, 5.1, 9, 10, 11, 12, 13, 14, 16, 17, 23 (re-numbered to 28), 103, 109, 110, Appendix A REPEAL: 20, 21, 22
12/27/11	AMEND: 1570	12/29/11	ADOPT: 862
<b>Title 19</b>		12/20/11	ADOPT: 3929.8
02/16/12	ADOPT: 560.4 AMEND: 557.19, renumber 560.4, 560.5, and 560.6 as 560.5, 560.6, and 560.7, respectively	12/19/11	ADOPT: 3939.40
<b>Title 22</b>		11/03/11	ADOPT: 3949.8
02/21/12	AMEND: 51003	11/01/11	AMEND: 3937
02/21/12	AMEND: 66261.21(a)(3), 66261.21(a)(4)	10/20/11	AMEND: 1062, 1064, 1066
02/08/12	AMEND: 66261.33, 66268.40	10/19/11	ADOPT: 2200.7 AMEND: 2200, 2200.6

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**Title 25**

02/06/12 ADOPT: 597, 597.1, 597.2, 597.3, 597.4  
02/02/12 ADOPT: 3968

11/28/11 AMEND: 25903(c)  
10/12/11 AMEND: 25703(a)(6)

**Title 27**

01/25/12 AMEND: 27001  
01/09/12 AMEND: 25705

**Title MPP**

10/31/11 AMEND: 31-502.42  
10/24/11 AMEND: 44-111.61