Appendix A   SB 14 Law

Excerpts from the Health and Safety Code, Division 20, Chapter 6.5, Article 11.9

§25244.12. This article shall be known and may be cited as the Hazardous Waste Source Reduction and Management Review Act of 1989.

§25244.13. The Legislature finds and declares as follows:

(a) Existing law requires the department and the State Water Resources Control Board to promote the reduction of generated hazardous waste. This policy, in combination with hazardous wasteland disposal bans, requires the rapid development of new programs and incentives for achieving the goal of optimal minimization of the generation of hazardous wastes. Substantial improvements and additions to the state’s hazardous waste reduction program are required to be made if these goals are to be achieved.

(b) Hazardous waste source reduction provides substantial benefits to the state’s economy by maximizing use of materials, avoiding generation of waste materials, improving business efficiency, enhancing revenues of companies that provide products and services in the state, increasing the economic competitiveness of businesses located in the state, and protecting the state’s precious and valuable natural resources.

(c) It is the intent of the Legislature to expand the state’s hazardous waste source reduction activities beyond those directly associated with source reduction evaluation reviews and plans. The expanded program, which is intended to accelerate reduction in hazardous waste generation, shall include programs to promote implementation of source reduction measures using education, outreach, and other effective voluntary techniques demonstrated in California or other states.

(d) It is the intent of the Legislature for the department to maximize the use of its available resources in implementing the expanded source reduction program through cooperation with other entities, including, but not limited to, CUPAs, small business development corporations, business environmental assistance centers, and other regional and local government environmental programs. To the extent feasible, the department shall utilize cooperative programs with entities that routinely contact small business to expand its support of small business source reduction activities.

(e) It is the goal of this article to do all of the following:

(1) Reduce the generation of hazardous waste.

(2) Reduce the release into the environment of chemical contaminants which have adverse and serious health or environmental effects.
(3) Document hazardous waste management information and make that information available to state and local government.

(f) It is the intent of this article to promote the reduction of hazardous waste at its source, and wherever source reduction is not feasible or practicable, to encourage recycling. Where it is not feasible to reduce or recycle hazardous waste, the waste should be treated in an environmentally safe manner to minimize the present and future threat to health and the environment.

(g) It is the intent of the Legislature not to preclude the regulation of environmentally harmful releases to all media, including air, land, surface water, and groundwater, and to encourage and promote the reduction of these releases to air, land, surface water, and groundwater.

(h) It is the intent of the Legislature to encourage all state departments and agencies, especially the State Water Resources Control Board, the California regional water quality control boards, the State Air Resources Board, the air pollution control districts, and the air quality management districts, to promote the reduction of Environmentally harmful releases to all media.

§25244.14. For purposes of this article, the following definitions apply:

(a) "Advisory committee" means the California Source Reduction Advisory Committee established pursuant to Section 25244.15.1.

(b) "Appropriate local agency" means a county, city, or regional association that has adopted a hazardous waste management plan pursuant to Article 3.5 (commencing with Section 25135).

(c) "Hazardous waste management approaches" means approaches, methods, and techniques of managing the generation and handling of hazardous waste, including source reduction, recycling, and the treatment of hazardous waste.

(d) "Hazardous waste management performance report" or "report" means the report required by subdivision (b) of Section 25244.20 to document and evaluate the results of hazardous waste management practices.

(e) (1) "Source reduction" means one of the following:

(A) Any action that causes a net reduction in the generation of hazardous waste.

(B) Any action taken before the hazardous waste is generated that results in a lessening of the properties which cause it to be classified as a hazardous waste.

(2) "Source reduction" includes, but is not limited to, all of the following:
(A) "Input change," which means a change in raw materials or feedstocks used in a production process or operation so as to reduce, avoid, or eliminate the generation of hazardous waste.

(B) "Operational improvement," which means improved site management so as to reduce, avoid, or eliminate the generation of hazardous waste.

(C) "Production process change," which means a change in a process, method, or technique which is used to produce a product or a desired result, including the return of materials or their components, for reuse within the existing processes or operations, so as to reduce, avoid, or eliminate the generation of hazardous waste.

(D) "Product reformulation," which means changes in design, composition, or specifications of end products, including product substitution, so as to reduce, avoid, or eliminate the generation of hazardous waste.

(3) "Source reduction" does not include any of the following:

(A) Actions taken after a hazardous waste is generated.

(B) Actions that merely concentrate the constituents of a hazardous waste to reduce its volume or that dilute the hazardous waste to reduce its hazardous characteristics.

(C) Actions that merely shift hazardous wastes from one environmental medium to another environmental medium.

(D) Treatment.

(f) "Source reduction evaluation review and plan" or "review and plan" means a review conducted by the generator of the processes, operations, and procedures in use at a generator’s site, in accordance with the format established by the department pursuant to subdivision (a) of Section 25244.16, and that does both of the following:

(1) Determines any alternatives to, or modifications of, the generator’s processes, operations, and procedures that may be implemented to reduce the amount of hazardous waste generated.

(2) Includes a plan to document and implement source reduction measures for the hazardous wastes specified in paragraph (1) that are technically feasible and economically practicable for the generator, including a reasonable implementation schedule.

(g) "SIC Code" has the same meaning as defined in Section 25501.

(h) "Hazardous waste," "person," "recycle," and "treatment" have the same meaning as defined in Article 2 (commencing with Section 25110).
§25244.15. (a) The department shall establish a program for hazardous waste source reduction pursuant to this article.

(b) The department shall coordinate the activities of all state agencies with responsibilities and duties relating to hazardous waste and shall promote coordinated efforts to encourage the reduction of hazardous waste. Coordination between the program and other relevant state agencies and programs shall, to the fullest extent possible, include joint planning processes and joint research and studies.

(c) The department shall adopt regulations to carry out this article.

(d) (1) Except as provided in paragraph (3), this article applies only to generators who, by site, routinely generate, through ongoing processes and operations, more than 12,000 kilograms of hazardous waste in a calendar year, or more than 12 kilograms of extremely hazardous waste in a calendar year.

(2) The department shall adopt regulations to establish procedures for exempting generators from the requirements of this article where the department determines that no source reduction opportunities exist for the generator.

(3) Notwithstanding paragraph (1), this article does not apply to any generator whose hazardous waste generating activity consists solely of receiving offsite hazardous wastes and generating residuals from the processing of those hazardous wastes.

§25244.15.1.

(a) The California Source Reduction Advisory Committee is hereby created and consists of the following members:

(1) The Executive Director of the State Air Resources Board, as an ex officio member.

(2) The Executive Director of the State Water Resources Control Board, as an ex officio member.

(3) The Director of Toxic Substances Control, as an ex officio member.

(4) The Executive Director of the Integrated Waste Management Board, as an ex officio member.

(5) The Chairperson of the California Environmental Policy Council established pursuant to Section 71017 of the Public Resources Code, as an ex officio member.

(6) Ten public members with experience in source reduction as appointed by the department. These public members shall include all of the following:
(A) Two representatives of local governments from different regions of the state.

(B) One representative of a publicly owned treatment works.

(C) Two representatives of industry.

(D) One representative of small business.

(E) One representative of organized labor.

(F) Two representatives of statewide environmental advocacy organizations.

(G) One representative of a statewide public health advocacy organization.

(7) The department may appoint up to two additional public members with experience in source reduction and detailed knowledge of one of the priority categories of generators selected in accordance with Section 25244.17.1.

(b) The advisory committee shall select one member to serve as chairperson.

(c) The members of the advisory committee shall serve without compensation, but each member, other than officials of the state, shall be reimbursed for all reasonable expenses incurred in the performance of his or her duties, as authorized by the department.

(d) The advisory committee shall meet at least semiannually to provide a public forum for discussion and deliberation on matters pertaining to the implementation of this chapter.

(e) The advisory committee’s responsibilities shall include, but not be limited to, the following:

(1) Reviewing and providing consultation and guidance in the preparation of the work plan required by Section 25244.22.

(2) Evaluating the performance and progress of the department’s source reduction program.

(3) Making recommendations to the department concerning program activities and funding priorities, and legislative changes, if needed.

(f) The advisory committee established by this section shall be in existence until April 15, 2002, by which date the department shall, in consultation with the advisory committee, evaluate the role and activities of the advisory committee and determine if the committee is beneficial to the implementation of this article. On and after April 15, 2002, the advisory committee shall continue to exist and operate to the extent that the department, in consul-
§25244.16. The department shall do both of the following:

(a) Adopt a format to be used by generators for completing the review and plan required by Section 25244.19, and the report required by Section 25244.20. The format shall include at least all of the factors the generator is required to include in the review and plan and the report. The department may include any other factor determined by the department to be necessary to carry out this article. The adoption of a format pursuant to this subdivision is not subject to Chapter 3.5 (commencing with Section 11340) of Part 1 of Division 3 of Title 2 of the Government Code.

(b) Establish a data and information system to be used by the department for developing the categories of generators specified in Section 25244.18, and for processing and evaluating the source reduction and other hazardous waste management information submitted by generators pursuant to Section 25244.18. In establishing the data and information system, the department shall do all of the following:

1. Establish methods and procedures for appropriately processing or managing hazardous waste source reduction and management information.

2. Use the data management expertise, resources, and forms of already established environmental protection programs, to the extent practicable.

3. Establish computerized data retrieval and data processing systems, including safeguards to protect trade secrets designated pursuant to Section 25244.23.

4. Identify additional data and information needs of the program.

§25244.17. The department shall establish a technical and research assistance program to assist generators in identifying and applying methods of source reduction and other hazardous waste management approaches. The program shall emphasize assistance to smaller businesses that have inadequate technical and financial resources for obtaining information, assessing source reduction methods, and developing and applying source reduction techniques. The program shall include at least all of the following elements, which shall be carried out by the department:

(a) The department shall encourage programs by private or public consultants, including onsite consultation at sites or locations where hazardous waste is generated, to aid those generators requiring assistance in developing and implementing the review and plan, the plan summary, the report, and the report summary required by this article.

(b) The department shall conduct review and plan assistance programs, seminars, workshops, training programs, and other similar activities to assist generators to evaluate source reduction alternatives and to identify opportunities for source reduction.
(c) The department shall establish a program to assemble, catalogue, and disseminate information about hazardous waste source reduction methods, available consultant services, and regulatory requirements.

(d) The department shall identify the range of generic and specific technical solutions that can be applied by particular types of hazardous waste generators to reduce hazardous waste generation.

§25244.17.1. The department shall establish a technical assistance and outreach program to promote implementation of model source reduction measures in priority industry categories.

(a) Every two years, in the work plan required by Section 25244.22, the department shall, in consultation with the advisory committee, select at least two priority categories of generators by SIC Code. At least one selected category of generators shall be taken from the list of categories previously selected by the department under Section 25244.18. At least one selected category of generators shall be a category that consists primarily of small businesses.

(b) For each selected priority industry category, the department shall implement a cooperative source reduction technical assistance and outreach program to include the following elements:

(1) The department shall use available resources, including reports prepared pursuant to paragraph (4) of subdivision (a) of Section 25244.18 and information on source reduction methods from federal, state, and local governments and industry associations and industry members, to identify a set of model source reduction measures for each industry category.

(2) The department shall determine, with the assistance of the advisory committee, the most effective technical assistance and outreach methods to promote implementation of the model source reduction measures identified in paragraph (1).

(3) The department shall develop a plan and schedule to implement the technical assistance and outreach measures before the next biennial work plan. The measures may include, but are not limited to, all of the following:

(A) Holding, presenting at, or cosponsoring workshops, conferences, technology fairs, and other promotional events.

(B) Developing and distributing educational materials, such as short descriptions of successful source reduction projects.

(C) Developing checklists, training manuals, technical resource manuals and using those resources to train CUPAs, small business development corporations, business environmental assistance centers, and other regional and local government environmental programs.

(D) Preparing and distributing resource lists, such as lists of vendors, consultants, or providers of financial assistance for source reduction projects.
(E) Serving as an information clearinghouse to support telephone and onsite consultations with businesses and local governments.

(4) For industry categories that include primarily large or technically complex businesses, the source reduction technical assistance and outreach program shall emphasize activities that involve direct communication between department staff and industry members. For these industry categories, the department shall communicate with representatives of 80 percent of the state’s companies in the category. For categories that consist primarily of small businesses, the cooperative source reduction program shall emphasize providing industry-specific training and resources to CUPAs, small business development corporations, business environmental assistance centers, and other regional and local government environmental programs for use in their inspections and other direct communications with businesses.

(c) While conducting activities under this section, the department shall coordinate its activities with appropriate industry and professional associations.

(d) The department shall coordinate activities under this section with grants made under Sections 25244.5 and 25244.11.5.

§25244.17.2. The department shall expand the department’s source reduction program to provide source reduction training and resources to CUPAs, small business development corporations, business environmental assistance centers, and other regional and local government environmental programs so that they can provide technical assistance to generators in identifying and applying methods of source reduction.

(a) The program expanded pursuant to this section shall emphasize activities necessary to implement Sections 25244.17 and 25244.17.1.

(b) The department shall determine, in consultation with the advisory committee, the most effective methods to promote implementation of source reduction education programs by CUPAs, small business development corporations, business environmental assistance centers, and other regional and local government environmental programs. Program elements may include, but are not limited to, all of the following:

(1) Sponsoring workshops, conferences, technology fairs, and other training events.

(2) Sponsoring regional training groups, such as the regional hazardous waste reduction committees.

(3) Developing and distributing educational materials, such as short descriptions of successful source reduction projects and materials explaining how source reduction has been used by businesses to achieve compliance with environmental laws enforced by local governments.

(4) Developing site review checklists, training manuals, and technical resource manuals and using those resources to train CUPAs, small business development corporations,
business environmental assistance centers, and other regional and local government environmental programs.

(5) Preparing and distributing resource lists such as lists of vendors, consultants, or providers of financial assistance for source reduction projects.

(6) Serving as an information clearinghouse to support telephone and onsite consultants with local governments.

(c) The department shall coordinate activities under this section with grants made under Section 25244.11.5.

(d) Each fiscal year, the department shall provide training and information resources to at least 90 percent of CUPAs.

§25244.18. (a) On or before September 15, 1991, and every two years thereafter, the department shall select at least two categories of generators by SIC Code with potential for source reduction, and, for each category, shall do all of the following:

(1) Request that selected generators in the category provide the department, on a timely basis, with a copy of the generator’s completed review and plan and with a copy of the generator’s completed report.

(2) Examine the review and plan and the report of selected generators in the category.

(3) Ensure that the selected generators in that category comply with Sections 25244.19 and 25244.20.

(4) Identify successful source reduction and other hazardous waste management approaches employed by generators in the category and disseminate information concerning those approaches to generators within the category.

(b) In carrying out subdivision (a), the department shall not disseminate information determined to be a trade secret pursuant to Section 25244.23.

(c) The department or the unified program agency may request from any generator, and the generator shall provide within 30 days from the date of the request, a copy of the generator’s review and plan or report. The department or the unified program agency may evaluate any of those documents submitted to the department or the unified program agency to determine whether it satisfies the requirements of this article.

(d) (1) If the department or the unified program agency determines that a generator has not completed the review and plan in the manner required by Section 25244.19, or the report in the manner required by Section 25244.20, the department or the unified program agency shall provide the generator with a notice of noncompliance, specifying the deficiencies in the review and plan or report identified by the department. If the department or the unified program agency finds that the review and plan does not comply with Section 25244.19, the
department or the unified program agency shall consider the review and plan to be incomplete. A generator shall file a revised review and plan or report correcting the deficiencies identified by the department or the unified program agency within 60 days from the date of the receipt of the notice. The department or the unified program agency may grant, in response to a written request from the generator, an extension of the 60-day deadline, for cause, except that the department or the unified program agency shall not grant that extension for more than an additional 60 days.

(2) If a generator fails to submit a revised review and plan or report complying with the requirements of this article within the required period, or if the department or unified program agency determines that a generator has failed to implement the measures included in the generator’s review and plan for reducing the generator’s hazardous waste, in accordance with Section 25244.19, the department or the unified program agency may impose civil penalties pursuant to Section 25187, in an amount not to exceed one thousand dollars ($1,000) for each day the violation of this article continues, notwithstanding Section 25189.2, seek an order directing compliance pursuant to Section 25181, or enter into a consent agreement or a compliance schedule with the generator.

(e) If a generator fails to implement a measure specified in the review and plan pursuant to paragraph (5) of subdivision (b) of Section 25244.19, the generator shall not be deemed to be in violation of Section 25244.19 for not implementing the selected measure if the generator does both of the following:

(1) The generator finds that, upon further analysis or as a result of unexpected consequences, the selected measure is not technically feasible or economically practicable, or if the selected approach has resulted in any of the following:

(A) An increase in the generation of hazardous waste.

(B) An increase in the release of hazardous chemical contaminants to other media.

(C) Adverse impacts on product quality.

(D) A significant increase in the risk of an adverse impact to human health or the environment.

(2) The generator revises the review and plan to comply with the requirements of Section 25244.19.

(f) When taking enforcement action pursuant to this article, the department or the unified program agency shall not judge the appropriateness of any decisions or proposed measures contained in a review and plan or report, but shall only determine whether the review and plan or report is complete, prepared, and implemented in accordance with this article.

(g) In addition to the unified program agency, an appropriate local agency that has jurisdiction over a generator’s site may request from the generator, and the generator shall provide
within 30 days from the date of that request, a copy of the generator’s current review and plan and report.

§25244.19. (a) On or before September 1, 1991, and every four years thereafter, each generator shall conduct a source reduction evaluation review and plan pursuant to subdivision (b).

(b) Except as provided in subdivision (c), the source reduction evaluation review and plan required by subdivision (a) shall be conducted and completed for each site pursuant to the format adopted pursuant to subdivision (a) of Section 25244.16 and shall include, at a minimum, all of the following:

1. The name and location of the site.

2. The SIC Code of the site.

3. Identification of all routinely generated hazardous waste streams that annually weigh 600 kilograms or more and that result from ongoing processes or operations and exceed 5 percent of the total yearly weight of hazardous waste generated at the site, or, for extremely hazardous waste, that annually weigh 0.6 kilograms or more and exceed 5 percent of the total yearly weight of extremely hazardous waste generated at the site. For purposes of this paragraph, a hazardous waste stream identified pursuant to this paragraph shall also meet one of the following criteria:

   (A) It is a hazardous waste stream processed in a wastewater treatment unit that discharges to a publicly owned treatment works or under a national pollutant discharge elimination system (NPDES) permit, as specified in the Federal Water Pollution Control Act, as amended (33 U.S.C. Sec. 1251 and following).

   (B) It is a hazardous waste stream that is not processed in a wastewater treatment unit and its weight exceeds 5 percent of the weight of the total yearly volume at the site, less the weight of any hazardous waste stream identified in subparagraph (A).

4. For each hazardous waste stream identified in paragraph (3), the review and plan shall include all of the following information:

   (A) An estimate of the quantity of hazardous waste generated.

   (B) An evaluation of source reduction approaches available to the generator that are potentially viable. The evaluation shall consider at least all of the following source reduction approaches:

      (i) Input change.

      (ii) Operational improvement.
(iii) Production process change.

(iv) Product reformulation.

(5) A specification of, and a rationale for, the technically feasible and economically practicable source reduction measures that will be taken by the generator with respect to each hazardous waste stream identified in paragraph (3). The review and plan shall fully document any statement explaining the generator’s rationale for rejecting any available source reduction approach identified in paragraph (4).

(6) An evaluation, and, to the extent practicable, a quantification, of the effects of the chosen source reduction method on emissions and discharges to air, water, or land.

(7) A timetable for making reasonable and measurable progress towards implementation of the selected source reduction measures specified in paragraph (5).

(8) Certification pursuant to subdivision (d).

(9) Any generator subject to this article shall include in its source reduction evaluation review and plan four-year numerical goals for reducing the generation of hazardous waste streams through the approaches provided for in subparagraph (B) of paragraph (4), based upon its best estimate of what is achievable in that four-year period.

(10) A summary progress report that briefly summarizes and, to the extent practicable, quantifies, in a manner that is understandable to the general public, the results of implementing the source reduction methods identified in the generator’s review and plan for each waste stream addressed by the previous plan over the previous four years. The report shall also include an estimate of the amount of reduction that the generator anticipates will be achieved by the implementation of source reduction methods during the period between the preparation of the review and plan and the preparation of the generator’s next review and plan. Notwithstanding any other provision of this section, the summary progress report required to be prepared pursuant to this paragraph shall be submitted to the department on or before September 1, 1999, and every four years thereafter.

(c) If a generator owns or operates multiple sites with similar processes, operations, and waste streams, the generator may prepare a single multisite review and plan addressing all of these sites.

(d) Every review and plan conducted pursuant to this section shall be submitted by the generator for review and certification by an engineer who is registered as a professional engineer pursuant to Section 6762 of the Business and Professions Code and who has demonstrated expertise in hazardous waste management, by an individual who is responsible for the processes and operations of the site, or by an environmental assessor who is registered pursuant to Section 25570.3 and who has demonstrated expertise in hazardous waste management. The engineer, individual, or environmental assessor shall certify the review and plan only if the review and plan meet all of the following requirements:
(1) The review and plan addresses each hazardous waste stream identified pursuant to paragraph (3) of subdivision (b).

(2) The review and plan addresses the source reduction approaches specified in subparagraph (B) of paragraph (4) of subdivision (b).

(3) The review and plan clearly sets forth the measures to be taken with respect to each hazardous waste stream for which source reduction has been found to be technically feasible and economically practicable, with timetables for making reasonable and measurable progress, and properly documents the rationale for rejecting available source reduction measures.

(4) The review and plan does not merely shift hazardous waste from one environmental medium to another environmental medium by increasing emissions or discharges to air, water, or land.

(e) At the time a review and plan is submitted to the department or the unified program agency, the generator shall certify that the generator has implemented, is implementing, or will be implementing, the source reduction measures identified in the review and plan in accordance with the implementation schedule contained in the review and plan. A generator may determine not to implement a measure selected in paragraph (5) of subdivision (b) only if the generator determines, upon conducting further analysis or due to unexpected circumstances, that the selected measure is not technically feasible or economically practicable, or if attempts to implement that measure reveal that the measure would result in, or has resulted in, any of the following:

(1) An increase in the generation of hazardous waste.

(2) An increase in the release of hazardous chemicals to other environmental media.

(3) Adverse impacts on product quality.

(4) A significant increase in the risk of an adverse impact to human health or the environment.

(f) If the generator elects not to implement the review and plan, including, but not limited to, a selected measure pursuant to subdivision (e), the generator shall amend its review and plan to reflect that election and include in the review and plan proper documentation identifying the rationale for that election.

§25244.20. (a) On or before September 1, 1991, and every four years thereafter, each generator shall prepare a hazardous waste management performance report documenting hazardous waste management approaches implemented by the generator.

(b) Except as provided in subdivision (d), the hazardous waste management performance report required by subdivision (a) shall be prepared for each site in accordance with the format adopted pursuant to subdivision (a) of Section 25244.16 and shall include all of the following:
(1) The name and location of the site.

(2) The SIC Code for the site.

(3) All of the following information for each waste stream identified pursuant to paragraph (3) of subdivision (b) of Section 25244.19:

   (A) An estimate of the quantity of hazardous waste generated and the quantity of hazardous waste managed, both onsite and offsite, during the current reporting year and the baseline year, as specified in subdivision (c).

   (B) An abstract for each source reduction, recycling, or treatment technology implemented from the baseline year through the current reporting year, if the reporting year is different from the baseline year.

   (C) A description of factors during the current reporting year that have affected hazardous waste generation and onsite and offsite hazardous waste management since the baseline year, including, but not limited to, any of the following:

      (i) Changes in business activity.
      (ii) Changes in waste classification.
      (ii) Natural phenomena.
      (iv) Other factors that have affected either the quantity of hazardous waste generated or onsite and offsite hazardous waste management requirements.

(4) The certification of the report pursuant to subdivision (e).

(c) For purposes of subdivision (b), the following definitions apply:

(1) The current reporting year is the calendar year immediately preceding the year in which the report is to be prepared.

(2) The baseline year is either of the following, whichever is applicable:

   (A) For the initial report, the baseline year is the calendar year selected by the generator for which substantial hazardous waste generation, or onsite or offsite management, data is available prior to 1991.

   (B) For all subsequent reports, the baseline year is the current reporting year of the immediately preceding report.

(d) If a generator owns or operates multiple sites with similar processes, operations, and waste streams, the generator may prepare a single multisite report addressing all of these sites.
(e) Every report completed pursuant to this section shall be submitted by the generator for review and certification by an engineer who is registered as a professional engineer pursuant to Section 6762 of the Business and Professions Code and who has demonstrated expertise in hazardous waste management, by an individual who is responsible for the processes and operations of the site, or by an environmental assessor who is registered pursuant to Section 25570.3 and who has demonstrated expertise in hazardous waste management. The engineer, individual, or environmental assessor shall certify the report only if the report identifies factors that affect the generation and onsite and offsite management of hazardous wastes and summarizes the effect of those factors on the generation and onsite and offsite management of hazardous wastes.

§25244.21. (a) Every generator shall retain the original of the current review and plan and report, shall maintain a copy of the current review and plan and report at each site, or, for a multisite review and plan or report, at a central location, and upon request, shall make it available to any authorized representative of the department or the unified program agency conducting an inspection pursuant to Section 25185. If a generator fails, within five days, to make available to the inspector the review and plan or report, the department, the unified program agency, or any authorized representative of the department, or of the unified program agency, conducting an inspection pursuant to Section 25185, shall, if appropriate, impose a civil penalty pursuant to Section 25187, in an amount not to exceed one thousand dollars ($1,000) for each day the violation of this article continues, notwithstanding Section 25189.2.

(b) If a generator fails to respond to a request for a copy of its review and plan or report made by the department or a unified program agency pursuant to subdivision (c) of Section 25244.18, or by a local agency pursuant to subdivision (g) of Section 25244.18, within 30 days from the date of the request, the department or unified program agency shall, if appropriate, assess a civil penalty pursuant to Section 25187, in an amount not to exceed one thousand dollars ($1,000) for each day the violation of this article continues, notwithstanding Section 25189.2.

(c) (1) Any person may request the department to certify that a generator is in compliance with this article by having the department certify that the generator has properly completed the review and plan and report required pursuant to Sections 25244.19 and 25244.20. The department shall respond within 60 days to a request for certification. Upon receiving a request for certification, the department shall request from the generator, who is the subject of the request, a copy of the generator’s review and plan and report, pursuant to subdivision (c) of Section 25244.19, if the department does not have these documents. The department shall forward a copy of the review and plan and report to the person requesting certification, within 10 days from the date that the department receives the request for certification or receives the review and plan and report, whichever is later. The department shall protect trade secrets in accordance with Section 25244.23 in a review and plan or report, requested to be released pursuant to this subdivision.

(2) This subdivision does not prohibit any person from directly requesting from a generator a copy of the review and plan or report. Solely for the purposes of responding to
a request pursuant to this subdivision, the department shall deem the review and plan or report to be a public record subject to Section 25152.5, and shall act in compliance with that section.

§25244.22. Commencing May 1, 2000, and on or before January 15 of every other year thereafter, the department shall prepare, and make available for public review within five days thereafter, a draft work plan for the department’s operations and activities in carrying out this article. The department shall prepare the work plan in consultation with the advisory committee and with other interested parties, including local government, industry, labor, health, and environmental organizations. After holding a public meeting of the advisory committee to discuss the draft work plan, the department shall finalize the work plan on or before June 15, 2000, and on or before April 1 of every other year thereafter. The department may include this work plan within the report required pursuant to Section 25171. This work plan shall include, but not be limited to, all of the following information:

(a) A summary analysis of readily available data on the state’s hazardous waste generation and management patterns. The analysis shall include information from various data sources including hazardous waste manifests, biennial generator reports, and United States Environmental Protection Agency Toxics Release Inventory reports. The department shall estimate the quantities of hazardous waste generated in the state, by hazardous waste stream, the amounts of hazardous waste generated in the state by industry SIC Code, and the amounts of hazardous waste state generators sent offsite for management, by management method.

(b) An evaluation of hazardous waste source reduction progress in this state, using the data summary analysis prepared pursuant to subdivision (a).

(c) Recommendations for legislation.

(d) Identification of any state, federal, or private economic and financial incentives that can best accelerate and maximize the research and development of source reduction and other hazardous waste management technologies and approaches.

(e) The status, funding, and results of all research projects.

(f) A detailed summary of the extent to which the statewide goal of 5 percent per year reduction of the generation of hazardous wastes, pursuant to subdivision (e) of Section 25244.15, has been attained, and a detailed summary of the extent to which different categories of facilities have attained the numerical goals established pursuant to paragraph (g) of subdivision (b) of Section 25244.19. This summary, which shall use the data summary analysis prepared pursuant to subdivision (a), shall include an evaluation by the department of the reasons why these goals have or have not been attained, including an evaluation of the impact of economic growth or decline and changes in production patterns, and a list of appropriate recommendations designed to ensure attainment of these goals.

(g) An outline of the department’s operations and activities under this article proposed for the next two-year period. The department shall use the data summary analysis prepared pursuant to subdivision (a) to select hazardous waste stream and industries for source reduction
efforts. When identifying activities for inclusion in the work plan, the department shall also consider potential benefits to human health and the environment, available resources, feasibility of applying source reduction techniques to reduce selected hazardous waste streams and to reduce hazardous wastes generated by selected industries, and availability of related resources from other entities, such as other states, the federal government, local governments, and other organizations.

§25244.23. (a) (1) The department shall adopt regulations to ensure that trade secrets designated by a generator in all or a portion of the review and plan or the report required by this article are utilized by the director, the department, the unified program agency, or the appropriate local agency only in connection with the responsibilities of the department pursuant to this article, and that those trade secrets are not otherwise disseminated by the director, the department, the unified program agency, or any authorized representative of the department, or the appropriate local agency, without the consent of the generator.

(2) Any information subject to this section shall be made available to governmental agencies for use in making studies and for use in judicial review or enforcement proceedings involving the person furnishing the information.

(3) As provided by Section 25159.5, the regulations adopted pursuant to this subdivision shall conform with the corresponding trade secret regulations adopted by the Environmental Protection Agency pursuant to the federal act, except that the regulations adopted by the department may be more stringent or more extensive than the federal trade secret regulations.

(4) "Trade secrets," as used in this section, may include, but are not limited to, any formula, plan, pattern, process, tool, mechanism, compound, procedure, production data, or compilation of information that is not patented, that is known only to certain individuals within a commercial concern who are using it to fabricate, produce, or compound an article of trade or a service having commercial value, and that gives its user an opportunity to obtain a business advantage over competitors who do not know or use it.

(b) The department, the unified program agency, and the appropriate local agency shall protect from disclosure any trade secret designated by the generator pursuant to this section. The department shall make available information concerning source reduction approaches that have proved successful, and that do not constitute a trade secret, when carrying out subdivision (c) of Section 25244.17 and to subdivision (a) of Section 25244.18.

(c) This section does not permit a generator to refuse to disclose the information required pursuant to this article to the department, the unified program agency, or the appropriate local agency, an officer or employee of the department, the unified program agency, or the appropriate local agency, in connection with the official duties of that officer or employee under this article.

(d) Any officer or employee of the department, the unified program agency, or the appropriate local agency, or any other person, who, because of his or her employment or official
position, has possession of, or has access to, confidential information, and who, knowing that disclosure of the information to the general public is prohibited by this section, knowingly and willfully discloses the information in any manner to any person not entitled to receive it, is guilty of a misdemeanor and, upon conviction thereof, shall be punished by imprisonment in the county jail not exceeding six months, by a fine not exceeding one thousand dollars ($1,000), or by both the fine and imprisonment.

§25244.24. (a) For purposes of this section the following definitions shall apply:

(1) "Program" means the voluntary program to reduce hazardous waste generation established by this section.

(2) "Release" means a release of a chemical into the environment in any manner and by any means. "Release" includes, but is not limited to, any release authorized or permitted pursuant to a statute, ordinance, regulation, or rule of any federal, state, local, or regional agency or government or by a permit, license, variance or other authorization from the agency or government.

(b) On or before October 1, 2000, the department shall, in consultation with the advisory committee established pursuant to Section 25244.15.1, conduct an inventory and analysis of low-cost voluntary programs that are, or have been conducted by other states, the federal government, or local government entities to reduce hazardous waste generation and other environmental releases of toxic chemicals, and shall develop recommendations for programs that would be effective and feasible in California, based on the inventory and analysis.

(c) In consultation with the advisory committee, large businesses, and the public, the department shall develop a low-cost voluntary program to further reduce generation of hazardous waste by large businesses in California. The program shall be designed to promote cooperative relationships between California business and the department, while creating a significant environmental benefit from reduced hazardous waste generation. The department shall include the program in the work plan required by Section 25244.22 on or before January 15, 2002.

(d) In designing and implementing the program the department shall take into consideration all of the following:

(1) Estimates of the volumes of potential reductions of hazardous waste generation and other possible program benefits.

(2) The types of facilities expected to participate and their current hazardous waste generation and other releases of toxic chemicals into the environment.

(3) The potential for reductions in hazardous waste generation resulting in an increase in releases of toxic chemicals to a different environmental medium.

(4) The potential public health and environmental benefits of the program.
(5) Methods for publicizing the program and encouraging facilities throughout the state to participate in the program.

(6) Providing appropriate public recognition of facilities that successfully are participating in the program.

(7) Establishing a means for monitoring the progress that each facility participating in the program is making toward implementing the program.

(8) Establishing methods for evaluating the implementation of the inventory, analysis, and program and for reporting on the progress of the program in the work plan required pursuant to Section 25244.22.

(9) Procedures for providing technical support to program participants to assist with the implementation of the program.

(e) Participation in the program shall not create a presumption that the participating facility has determined that any chemical release reduction measure is technically feasible or economically practicable pursuant to any other provision of law.

(f) Actions of the department pursuant to this section are exempt from the requirements of Chapter 3.5 (commencing with Section 11340) of Division 3 of Title 2 of the Government Code.

(g) If, on the basis of the inventory and analysis required by in subdivision (b), the department finds that it is not possible to design and implement, at relatively low cost, a voluntary program to promote cooperative relationships between California business and the department, while creating a significant environmental benefit, and the advisory committee concurs with this finding, the department is not required to implement the program.
Appendix B  SB 14 Regulations

The following excerpts are from the California Code of Regulations, Title 22, Division 4.5, Chapter 31: Hazardous Waste Source Reduction and Management Review

§67100.1. Definitions.
For the purpose of this article, the following definitions shall apply:

(a) “Appropriate local agency” means a county, city, or regional association which has adopted a hazardous waste management plan pursuant to Article 3.5, Chapter 6.5, Division 20, Health and Safety code (commencing with section 25135).
(b) “Baseline year” is any of the following, whichever is applicable:
   (1) For a generator’s initial report, the baseline year is the calendar year, selected by the generator, for which substantial hazardous waste generation, or onsite or offsite management data is available, except the generator may select the current reporting year as the baseline year for the initial report.
   (2) For all subsequent reports, the baseline year is the reporting year of the immediately preceding report.
(c) “Concentration” means the amount of a given substance in a stated unit of mixture, solution or waste. For purposes of this article it also means the range of components typically found in the waste.
(d) “Hazardous waste management approaches” means methods and techniques of controlling the generation and handling of hazardous waste, including source reduction, recycling, and treatment of hazardous waste.
(e) “Hazardous waste management performance report” or “report” means the report required by section 67100.7(a) of these regulations to document and evaluate the results of hazardous waste management practices.
(f) “Laboratory” means a facility where the “laboratory use of hazardous chemicals” occurs. It is a workplace where relatively small quantities of hazardous chemicals are used on a non-production basis.
(g) “Laboratory scale” means work with substances in which the containers used for reactions, transfers, and other handling of substances are designed to be easily and safely manipulated by one person. “Laboratory scale” excludes those workplaces whose function is to produce commercial quantities of material.
(h) “Laboratory use of hazardous chemicals” means handling or use of such materials in which all of the following conditions are met:
   (1) Chemical manipulations are carried out on a “laboratory scale”;
   (2) Multiple chemical procedures or chemicals are used; and
   (3) The procedures involved are not part of a production process, nor in any way simulate a production process.
(i) “Motor vehicle fluids” includes all fluids associated with the operation of a vehicle that is self propelled, for example, transmission oil, hydraulic fluid, brake fluid, antifreeze, power steering fluid, and gasoline.
(j) "Numerical Goal" means a single numerical percentage reflecting an estimate of the source reduction the generator could optimally strive to achieve over a four-year period.

(k) "Reporting year" is the calendar year immediately preceding the year in which plans, reports, and compliance checklist are to be prepared.

(l) "Routinely generated" means:

(1) Hazardous and extremely hazardous wastes that result from ongoing processes or operations.

(2) Hazardous wastes generated from regularly scheduled maintenance or production activities performed less frequently than once a year.

(m) "Small business" means "small business" as defined in Government Code, section 11342(e).

(n) "Source reduction" means one of the following:

(1) Any action which causes a net reduction in the generation of hazardous waste.

(2) Any action taken before the hazardous waste is generated that results in lessening of the properties which cause it to be classified as a hazardous waste.

(o) "Source reduction evaluation review and plan" or "review and plan" or "plan" means a review conducted by the generator of the processes, operations, and procedures in use at a generator’s site, required pursuant to section 67100.4(a) completed according to the format established by the Department of Toxic Substances Control in section 67100.5. Plans do both of the following:

(1) Determine any alternatives to, or modifications of, the generator’s processes, operations, and procedures that may be implemented to reduce the amount of hazardous waste generated.

(2) Include a plan to document and implement source reduction measures for the hazardous wastes specified in paragraph (1) which are technically feasible and economically practicable for the generator, including a reasonable implementation schedule.

§67100.2. Applicability.

(a) This article applies to generators who, by site, routinely generate, through ongoing processes and operations, more than 12,000 kilograms of hazardous waste in the reporting year, or more than 12 kilograms of extremely hazardous waste in a reporting year.

(b) A generator may petition the Department of Toxic Substances Control in writing to exempt a hazardous waste stream. The generator shall provide documentation to demonstrate that no source reduction opportunities exist for the requested waste stream exemption. The Department shall public notice the proposed acceptance of any exemption petition. A minimum of 45 days shall be provided for public review and comment prior to the Department of Toxic Substances Control rendering any determination on a petition.

(c) The following hazardous wastes shall not be included in calculating the volume, or comparable weight of waste produced and are not subject to this article:

(1) The following exempted hazardous waste streams:

(A) Motor vehicle fluids and motor vehicle filters.

(B) Lead acid batteries.

(C) Household hazardous wastes, wastes from household collection events and wastes separated at community landfills.

(D) Waste pesticides and pesticide containers collected by County agricultural commissioners.

(E) Spent munitions and ordnance.

(F) Decommissioned utility poles.
(G) Oil generated from decommissioned refrigeration units.
(H) Mercury relays and low-level radioactive tubes generated from removal of telephone equipment.
(I) Lighting wastes including ballasts and fluorescent tubes.

(2) The following hazardous waste streams that are not routinely generated:
(A) Waste from site cleanup and mitigation activities including remedial investigations.
(B) Samples and evidence from enforcement actions.
(C) Asbestos.
(D) PCBs
(E) Formation fluids and solids from oil, gas and geothermal exploration and field development.
(F) Demolition waste/major renovation waste.
(G) Waste generated from emergency response actions.
(H) Waste generated from laboratory scale research.

(3) Medical Waste.

(d) When there is a change in ownership of the business, institution, or facility, the new owner shall have six months from the date of purchase to amend or rewrite the plan and the report. If the new owner fails to revise the plan and report during this time, the existing plan and report shall remain in effect.

(e) When there is a change in the state or federal analysis and testing criteria which causes additional materials to be classified as hazardous waste, these newly classified hazardous wastes shall be considered in calculating the volume, or comparable weight of hazardous waste produced at the generator’s site starting the next reporting year.

(f) Any generator that is a small business may complete the forms contained in the documents listed below and include sections 1, 3, 4, 5, and 6 of the Compliance Checklist Form, September 1993, or January 1997, as the plan. Documents for specific industries are available from the Department of Toxic Substances Control. The generator’s most recent biennial report, as required by section 66262.41 can be used as the report required by this article. The following are available from the Department of Toxic Substances Control and are hereby incorporated by reference:

(1) Waste Audit Study -- Automotive Repairs, May, 1987
(2) Waste Audit Study -- Automotive Paint Shops, January, 1987
(3) Waste Audit Study -- General Medical and Surgical Hospitals, August, 1988
(4) Waste Audit Study -- Paint Manufacturing Industry, April, 1987
(6) Waste Audit Study -- Metal Finishing Industry, May, 1988
(8) Waste Audit Study -- Research and Educational Institutions, August, 1988
(9) Waste Audit Study -- Photoprocessing Industry, April, 1989
(10) Waste Audit Study -- Fiberglass-Reinforced and Composite Plastic Products, April, 1989
(11) Waste Audit Study -- Marineyards for Maintenance and Repair, August, 1989
(13) Waste Audit Study -- Fabricated Metal Products Industry, August, 1989
(14) Waste Audit Study -- Gold, Silver, Platinum and Other Precious Metals Product and Reclamation, June, 1990
(17) Hazardous Waste Reduction Checklist -- Auto Repair Shops, October, 1988

(19) Waste Audit Study -- Printed Circuit Board Manufacturers, June, 1987
(23) Facility Pollution Prevention Guide, EPA/600/R-92/088, May, 1992

(g) Any generator that is a small business may alternatively complete the Compliance Checklist Form, September 1993, or January 1997, developed by the Department of Toxic Substances Control as the plan.

(h) If a generator owns or operates multiple sites with similar processes, operations, and wastes the generator may prepare a single multisite review and plan, report, or compliance checklist addressing all of these sites.

(i) If a generator owns a large site with multiple operations that are managed as independent businesses, the generator may prepare a separate review and plan, report, or compliance checklist for each independently managed business at the site.

(j) Generators subject to the requirements of this article pursuant to sections 67100.4(a) and 67100.7(a) may prepare a single document combining the requirements for the plan and the report.

§67100.3. Availability Requirements.

(a) Every generator shall retain a copy of the current review and plan, report, summary progress report and compliance checklist at each site, or, for a multisite at a central location, and upon request, shall make it available to any authorized representative of the Department of Toxic Substances Control and any other officer or agency, conducting an inspection pursuant to Section 25185 of the Health and Safety Code.

(b) A copy of the plan, report and summary progress report and compliance checklist shall be made available locally for public review. This may be accomplished by making documents available at the generator’s facility, at a public library or at the offices of any local governmental agency which is willing to act as a repository for this information. If any of the above documents contain trade secrets, then a copy which excludes trade secrets shall be made available locally for public review.

§67100.4. Plan and Plan Summary.

(a) On or before September 1, 1991 and every four years thereafter that hazardous or extremely hazardous waste generation exceeds the thresholds in section 67100.2(a) of these regulations, each generator shall conduct a source reduction evaluation review and plan pursuant to section 67100.5 of these regulations.

(b) Except as provided in sections 67100.2(h) and 67100.2(i) of these regulations, a source reduction evaluation review and plan shall be prepared for each site.

(c) At the time a review and plan is submitted to the Department, the generator shall certify that the generator has implemented, is implementing, or will be implementing, the source reduction measures identified in the review and plan according to the implementation schedule contained in the review and plan. A generator may determine not to implement a source reduction measure select-
ed in section 67100.5(m) of these regulations only if the generator determines, upon conducting further analysis or due to unexpected circumstances, that the selected measure is not technically feasible or economically practicable, or if attempts to implement that measure reveal that the measure would result in, or has resulted in, any of the following:

1. An increase in the generation of hazardous waste.
2. An increase in release of hazardous chemicals to other environmental media.
3. Adverse impacts on product quality.
4. A significant increase in the risk of an adverse impact to human health or the environment.

(d) If the generator elects not to implement the review and plan, including, but not limited to, a selected measure pursuant to section 67100.5(m) of these regulations, the generator shall amend its review and plan within 90 days to reflect this rejection and include in the review and plan proper documentation identifying the rationale for this rejection.

§67100.5. Plan Format.

Except as provided in section 67100.2(f) of these regulations, generators subject to the requirements of this article pursuant to section 67100.2(a), shall prepare a plan with sufficient detail to convey an understanding of the source reduction evaluation review and analysis performed, using narratives, photographs, illustrations, figures or data as necessary, which includes, but is not limited to, all of the following:

(a) Name and location of the site, telephone number and Identification Number.
(b) Four digit SIC codes applicable to activities at the site.
(c) Type of business or activity conducted at each site.
(d) Length of time the company has been in business at the present site.
(e) Major products manufactured or services provided and, if necessary to convey an understanding of the business, their general applications or examples of their applications or end use.
(f) Number of employees.
(g) A general description of site operations with corresponding block diagrams focusing on quantity and type of hazardous wastes, raw materials, and final products produced at the site.
(h) Identification of all routinely generated hazardous waste streams in the current reporting year which result from ongoing processes or operations that have a yearly volume, or comparable weight exceeding five percent of the total yearly volume, or comparable weight of hazardous waste generated at the site, or, for extremely hazardous waste, five percent of the total yearly volume, or comparable weight generated at the site. Similar industrial processes or institutional activities generating similar wastes (with the same California Waste Codes) shall be considered a single waste stream for purposes of this subsection.
(i) All of the following information for each hazardous waste stream identified in subsection (h) of this section:

1. An estimate of the weight, in pounds of hazardous waste generated.
2. The applicable California waste code.
3. The processes, operations and activities generating the waste(s), with corresponding block diagrams to illustrate the basis of generation including a listing of all input materials which contribute to the generation of hazardous or extremely hazardous waste (this is not meant to be a mass balance).
(j) An evaluation of source reduction measures available to the generator which are potentially viable. The evaluation shall consider at least all of the following approaches:
(1) Input changes.
(2) Operational improvement.
(3) Production process changes.
(4) Product reformulation.
(5) Administrative steps taken to reduce hazardous waste generation including but not limited to:
   (A) Inventory control;
   (B) Employee award programs;
   (C) Employee training;
   (D) In-house policies;
   (E) Corporate or management commitment; and
   (F) Other programs or measures.
(k) Consideration of the following factors for each measure evaluated in accordance with subsection (j) of this section (where a specific factor does not apply identify as N/A):
   (1) Expected change in the amount of hazardous waste generated;
   (2) Technical feasibility;
   (3) Economic evaluation:
      (A) Capital cost, operating cost, waste management cost;
      (B) Return on investment (ROI), breakdown point, avoided cost, pretax payback period, or any other economic comparison method;
   (4) Effects on product quality;
   (5) Employee health and safety implications;
   (6) Permits, variances, compliance schedules or applicable state local and federal agencies;
   (7) Releases and discharges.
(l) Any pertinent information, such as waste stream constituents and concentration of constituents, needed to evaluate and implement source reduction measures.
(m) A specification of, and a rationale for, the technically feasible and economically practicable source reduction measures which will be taken by the generator with respect to each hazardous waste stream identified in subsection (h) of this section. The specification should include at a minimum, a narrative description of the factors in subsection (k) of this section and also address system capacity and efficiency. Photographs, illustrations, figures or data should be used to convey an understanding of the source reduction measure in sufficient detail to allow transfer of the measure to other generators with similar processes or procedures.
(n) An evaluation, and, to the extent practicable, a qualification of the effects of any source reduction measure selected in subsection (m) on emissions and discharges to air, water, or land.
(o) A list of each measure considered but not selected for a detailed evaluation as a potentially viable source reduction measure. For each measure rejected, explain the generator’s rationale. This list shall be supplemented for waste streams where no measures were identified with a narrative demonstrating the good faith efforts undertaken to identify measures.
(p) A timetable for making reasonable and measurable progress towards implementation of the selected source reduction measures specified in subsection (m) of this section. It shall also include an implementation schedule for completing the evaluation of potentially viable source reduction measures and it shall prioritize processes and wastes for future research, development and source reduction analysis.
(q) All plans prepared after January 1, 1993 shall contain a four-year numerical goal for reducing the generation of hazardous waste streams through the selected source reduction measures specified in subsection (m) of this section.

§67100.7. Report.

(a) On or before September 1, 1991, and every four years thereafter that hazardous or extremely hazardous waste
generation exceeds the thresholds in section 67100.2(a) of these regulations, each generator shall prepare a hazardous waste management performance report pursuant to section 67100.8 of these regulations.

(b) Except as provided in sections 67100.2(h) and 67100.2(i) of these regulations, the hazardous waste management performance report shall be prepared for each site.


(a) Except as provided in section 67100.2(f) of these regulations and in subsection (b) of this section, each generator shall prepare a report with sufficient detail to convey an understanding of the hazardous waste management approaches used at the site, using narratives, photographs, illustrations, figures or data as necessary, which includes, at a minimum, all of the following:

1. Name and location of the site
2. Four digit SIC code(s) for the site
3. All of the following information for each waste stream identified pursuant to section 67100.5(h) of these regulations:
   (A) An estimate, in pounds, of the quantity of hazardous waste generated and the quantity of hazardous waste managed, both onsite and offsite, during the current reporting year and the baseline year.
   (B) A description of current hazardous waste management approaches and identification of all approaches implemented since the baseline year.
   (C) An assessment of the effect, since the baseline year, of each implemented hazardous waste management approach on the weight of hazardous waste generated, the properties which cause it to be classified as a hazardous waste and/or the onsite and offsite management of hazardous waste. The report shall consider, but shall not be limited to all of the following approaches:
      1. Source reduction;
      2. Onsite or offsite recycling;
      3. Onsite or offsite treatment.
   (D) A description of factors during the current reporting year that have affected hazardous waste generation and onsite and offsite hazardous waste management since the baseline year, including, but not limited to, any of the following:
      1. Changes in business activity;
      2. Changes in waste classification;
      3. Natural phenomena;
      4. Other factors that have affected either the quantity of hazardous waste generated or onsite and offsite hazardous waste management requirements.

(b) If the generator selects the current reporting year as the baseline year, the information required pursuant to subsection (a)(3) of this section shall be provided for the reporting year only.


(a) Generators subject to the requirements of this article shall prepare a summary progress report and submit it to the Department of Toxic Substances Control on or before September 1, 1999 and every four years thereafter.

(b) Generators shall complete the Department of Toxic Substances Control’s Form # 1262 (3/99) titled, "Summary Progress Report" as their summary progress report. This document is incorporated by reference.

(c) The director, in consultation with the Secretary for Environmental Protection, shall, within five years of the effective date of the regulations in this section, determine whether the regulations should be retained, revised, or repealed.
§67100.13. Certification Requirements.

(a) The review and plan, report, and compliance checklist, completed pursuant to this article shall be reviewed by an engineer who is registered as a professional engineer pursuant to section 6762 of the Business and Professions Code, by an individual who is responsible for the processes and operations of the site, or by an environmental assessor who is registered pursuant to section 25570 Health and Safety Code.

(b) The engineer, individual, or environmental assessor shall certify the review and plan only if the review and plan meet all of the following requirements:

(1) The review and plan addresses each hazardous waste stream identified pursuant to section 67100.5(h) of these regulations.

(2) The review and plan addresses the source reduction approaches specified in section 67100.5(j) of these regulations.

(3) The plan clearly sets forth the measures to be taken with respect to each hazardous waste stream for which source reduction has been found to be technically feasible and economically practicable, with timetables for making reasonable and measurable progress, and documents the rationale for rejecting available source reduction measures.

(4) The plan does not merely shift hazardous waste from one environmental medium to another environmental medium by increasing emissions or discharges to air, water, or land.

(c) The engineer, individual, or environmental assessor shall certify that compliance checklist has been completed.

(d) The engineer, individual, or environmental assessor shall certify the report only if the report meets the following requirement:

(1) The report identifies factors that affect the generation and onsite and offsite management of hazardous wastes and summarizes the effect of those factors on the generation and onsite and offsite management of hazardous wastes.

(e) The plan, report, and compliance checklist shall contain the following language signed and dated by either the owner, the operator, or the responsible corporate officer of the site or an authorized individual; who is capable of committing financial resources necessary to implement the source reduction measures: “I certify that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or the persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for making false statements or representations to the Department, including the possibility of fines for criminal violations.”


(a) Any information submitted to the Department pursuant to this article may be claimed as confidential by the generator. Any such claim shall be asserted at the time of submission by placing the words “confidential business information” on each page containing such information. If no claim is made at the time of submission, the Department shall make the information available to the public without further notice. If a claim is
asserted, the information shall be treated in accordance with 40 CFR part 2 and the Health and Safety Code, sections 25173 and 25244.23.

(b) If a claim of confidentiality is asserted, two versions of the document shall be submitted: one version with the confidential pages and one version without the confidential pages but with a clear indication of which pages are removed as confidential.
Appendix C Standard Industrial Classification Codes

The Standard Industrial Classification (SIC) codes listed below were last updated in 1987. Beginning in 1997, the SIC was replaced by the North American Industry Classification System (NAICS). The NAICS is an extensive six-digit code system developed to capture newer industries and categorize industries on a production/process-oriented basis. NAICS codes can be found on the internet http://www.census.gov/epcd/www/naics.html or http://www.naics.com

Agricultural Production--Crops
0111 Wheat
0112 Rice
0115 Corn
0116 Soybeans
0119 Cash grains, not elsewhere classified (nec)
0131 Cotton
0132 Tobacco
0133 Sugar cane and sugar beets
0134 Irish potatoes
0139 Field crops, except cash grains, nec
0161 Vegetables and melons
0171 Berry crops
0172 Grapes
0173 Tree nuts
0174 Citrus fruits
0175 Deciduous tree fruits
0179 Fruits and tree nuts, nec
0181 Ornamental nursery products
0182 Food crops grown under cover
0191 General farms, primarily crops

Agricultural Production--Livestock
0211 Beef cattle feedlots
0212 Beef cattle, except feedlots
0213 Hogs
0214 Sheep and goats
0219 General livestock, nec
0241 Dairy farms
0251 Broiler, fryer, and roaster chickens
0252 Chicken eggs
0253 Turkeys and turkey eggs
0254 Poultry hatcheries
0259 Poultry and eggs, nec
0271 Fur-bearing animals and rabbits
0272 Horses and other equines
0273 Animal aquaculture
0279 Animal specialties, nec
0291 General farms, primarily animal

Agricultural Services
0711 Soil preparation services
0721 Crop planting and protecting
0722 Crop harvesting
0723 Crop preparation services for market
0724 Cotton ginning
0741 Veterinary services, for livestock
0742 Veterinary services, specialties
0751 Livestock services, except veterinary
0752 Animal specialty services
0761 Farm labor contractors
0762 Farm management services
0781 Landscape counseling and planning
0782 Lawn and garden services
0783 Ornamental shrub and tree services

Forestry
0811 Timber tracts
0831 Forest products
0851 Forestry services
Appendix C
Classification Codes

Fishing, Hunting, and Trapping
0912 Finfish
0913 Shellfish
0919 Miscellaneous marine products
0921 Fish hatcheries and preserves
0971 Hunting, trapping, game propagation

Metal Mining
1011 Iron ores
1021 Copper ores
1031 Lead and zinc ores
1041 Gold ores
1044 Silver ores
1061 Ferroalloy ores, except vanadium
1081 Metal mining services
1094 Uranium, radium, vanadium ores
1099 Metal ores, nec

Coal Mining
1221 Bituminous coal and lignite - surface
1222 Bituminous coal - underground
1231 Anthracite mining
1241 Coal mining services

Oil and Gas Extraction
1311 Crude petroleum and natural gas
1321 Natural gas liquids
1381 Drilling oil and gas wells
1382 Oil and gas exploration services
1389 Oil and gas field services, nec

Nonmetallic Minerals, Except Fuels
1411 Dimension stone
1422 Crushed and broken limestone
1423 Crushed and broken granite
1429 Crushed and broken stone, nec
1442 Construction sand and gravel
1446 Industrial sand
1455 Kaolin and ball clay
1459 Clay and related minerals, nec
1474 Potash, soda and borate minerals
1475 Phosphate rock
1479 Chemical and fertilizer mining, nec
1481 Nonmetallic minerals services
1499 Miscellaneous nonmetallic minerals, nec

General Building Contractors
1521 Single-family housing construction
1522 Residential construction, nec
1531 Operative builders
1541 Industrial buildings and warehouses
1542 Nonresidential construction, nec

Heavy Construction, Excluding Buildings
1611 Highway and street construction
1622 Bridge, tunnel, and elevated highway
1623 Water, sewer, and utility lines
1629 Heavy construction, nec

Special Trade Contractors
1711 Plumbing, heating, air conditioning
1721 Painting and paper hanging
1731 Electrical work
1741 Masonry and other stonework
1742 Plastering, drywall, and insulation
1743 Terrazzo, tile, marble, mosaic work
1751 Carpentry work
1752 Floor laying and floor work, nec
1761 Roofing, siding, and sheet metal work
1771 Concrete work
1781 Water well drilling
1791 Structural steel erection
1793 Glass and glazing work
1794 Excavation work
1795 Wrecking and demolition work
1796 Installing building equipment, nec
1799 Special trade contractors, nec

Food and Kindred Products
2011 Meat packing plants
2013 Sausages and other prepared meats
2015 Poultry slaughtering and processing
2021 Creamery butter
2022 Cheese, natural and processed
2023 Dry, condensed, evaporated products
2024 Ice cream and frozen desserts
2026 Fluid milk
2032 Canned specialties
2033 Canned fruits and vegetables
2034 Dehydrated fruits, vegetables, soups
2035 Pickles, sauces, and salad dressings
Appendix C Classification Codes

2037 Frozen fruits and vegetables
2038 Frozen specialties, nec
2041 Flour and other grain mill products
2043 Cereal breakfast foods
2044 Rice milling
2045 Prepared flour mixes and doughs
2046 Wet corn milling
2047 Dog and cat food
2048 Prepared feeds, nec
2051 Bread, cake, and related products
2052 Cookies and crackers
2053 Frozen bakery products, except bread
2061 Raw cane sugar
2062 Cane sugar refining
2063 Beet sugar
2064 Candy and other confectionery products
2066 Chocolate and cocoa products
2067 Chewing gum
2068 Salted and roasted nuts and seeds
2074 Cottonseed oil mills
2075 Soybean oil mills
2076 Vegetable oil mills, nec
2077 Animal and marine fats and oils
2079 Edible fats and oils, nec
2082 Malt beverages
2083 Malt
2084 Wines, brandy, and brandy spirits
2085 Distilled and blended liquors
2086 Bottled and canned soft drinks
2087 Flavoring extracts and syrups, nec
2091 Canned and cured fish and seafood
2092 Fresh or frozen prepared fish
2095 Roasted coffee
2097 Manufactured ice
2098 Macaroni and spaghetti
2099 Food preparations, nec

2221 Broadwoven fabric mills, man-made
2231 Broadwoven fabric mills, wool
2241 Narrow fabric mills
2251 Women’s hosiery, except socks
2252 Hosiery, nec
2253 Knit outerwear mills
2254 Knit underwear mills
2257 Weft knit fabric mills
2258 Lace and warp knit fabric mills
2259 Knitting mills, nec
2261 Finishing plants, cotton
2262 Finishing plants, man-made
2269 Finishing plants, nec
2273 Carpets and rugs
2281 Yarn spinning mills
2282 Throwing and winding mills
2284 Thread mills
2295 Coated fabrics, not rubberized
2296 Tire cord and fabrics
2297 Nonwoven fabrics
2298 Cordage and twine
2299 Textile goods, nec

Apparel and Other Textile Products
2311 Men’s and boys’ suits and coats
2321 Men’s and boys’ shirts
2322 Men’s and boys’ underwear and nightwear
2323 Men’s and boys’ neckwear
2325 Men’s and boys’ trousers and slacks
2326 Men’s and boys’ work clothing
2329 Men’s and boys’ clothing, nec
2331 Women’s and misses’ blouses and shirts
2335 Women’s, juniors’ and misses’ dresses
2337 Women’s and misses’ suits and coats
2339 Women’s and misses’ outerwear, nec
2341 Women’s and children’s underwear
2342 Bras, girdles, and allied garments
2353 Hats, caps, and millinery
2361 Girls’ and children’s dresses, blouses
2369 Girls’ and children’s outerwear, nec
2371 Fur goods
2381 Fabric dress and work gloves
2384 Robes and dressing gowns
2385 Waterproof outerwear
2386 Leather and sheep lined clothing

Tobacco Products
2111 Cigarettes
2121 Cigars
2131 Chewing and smoking tobacco
2141 Tobacco stemming and redrying

Textile Mill Products
2211 Broadwoven fabric mills, cotton
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<td>Apparel and accessories, nec</td>
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<td>2391</td>
<td>Curtains and draperies</td>
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<td>House furnishing, nec</td>
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<td>2393</td>
<td>Textile bags</td>
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<td>2394</td>
<td>Canvas and related products</td>
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<td>2395</td>
<td>Pleating and stitching</td>
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<td>Automotive and apparel trimmings</td>
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<td>Schiffli machine embroideries</td>
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<td>2411</td>
<td>Logging</td>
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<td>2421</td>
<td>Sawmills and planing mills, general</td>
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<td>2426</td>
<td>Hardwood dimension and flooring mills</td>
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<td>Special product sawmills, nec</td>
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<td>2431</td>
<td>Millwork</td>
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<td>2435</td>
<td>Hardwood veneer and plywood</td>
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<td>2436</td>
<td>Softwood veneer and plywood</td>
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<td>Structural wood members, nec</td>
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<td>Nailed wood boxes and shooks</td>
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<td>2448</td>
<td>Wood pallets and skids</td>
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<td>2449</td>
<td>Wood containers, nec</td>
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<td>Prefabricated wood buildings</td>
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<td>2491</td>
<td>Wood preserving</td>
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<td>Reconstituted wood products</td>
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<td>Wood products, nec</td>
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<td>Upholstered household furniture</td>
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<td>2514</td>
<td>Metal household furniture</td>
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<td>2515</td>
<td>Mattresses and bedsprings</td>
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<td>2517</td>
<td>Wood TV and radio cabinets</td>
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<td>2519</td>
<td>Household furniture, nec</td>
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<td>Wood office furniture</td>
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<td>Office furniture, except wood</td>
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<td>2531</td>
<td>Public building and related furniture</td>
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<td>2541</td>
<td>Wood partitions and fixtures</td>
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<td>2542</td>
<td>Partitions and fixtures, except wood</td>
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<td>2591</td>
<td>Drapery hardware and blinds and shades</td>
</tr>
<tr>
<td>2599</td>
<td>Furniture and fixtures, nec</td>
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</tbody>
</table>

**Paper and Allied Products**
- 2611 Pulp mills
- 2621 Paper mills
- 2631 Paperboard mills
- 2652 Set-up paperboard boxes
- 2653 Corrugated and solid fiber boxes
- 2655 Fiber cans, drums, and similar products
- 2656 Sanitary food containers
- 2657 Folding paperboard boxes
- 2671 Paper coated and laminated, packaging
- 2672 Paper coated and laminated, nec
- 2673 Bags - plastics, laminated and coated
- 2674 Bags - uncoated paper and multiwall
- 2675 Die-cut paper and board
- 2676 Sanitary paper products
- 2677 Envelopes
- 2678 Stationery products
- 2679 Converted paper products, nec

**Printing and Publishing**
- 2711 Newspapers
- 2721 Periodicals
- 2731 Book publishing
- 2732 Book printing
- 2741 Miscellaneous publishing
- 2752 Commercial printing, lithographic
- 2754 Commercial printing, gravure
- 2759 Commercial printing, nec
- 2761 Manifold business forms
- 2771 Greeting cards
- 2782 Blank books and loose-leaf binders
- 2789 Bookbinding and related work
- 2791 Typesetting
- 2796 Plate making services

**Chemicals and Allied Products**
- 2812 Alkalies and chlorine
- 2813 Industrial gases
- 2816 Inorganic pigments
- 2819 Industrial inorganic chemicals, nec
- 2821 Plastics materials and resins
Appendix C Classification Codes

2822 Synthetic rubber
2823 Cellulosic man-made fibers
2824 Organic fibers, noncellulosic
2833 Medicinals and botanicals
2834 Pharmaceutical preparations
2835 Diagnostic substances
2836 Biological products, except diagnostic
2841 Soap and other detergents
2842 Polishes and sanitation goods
2843 Surface active agents
2844 Toilet preparations
2851 Paints and allied products
2861 Gum and wood chemicals
2865 Cyclic crudes and intermediates
2869 Industrial organic chemicals, nec
2873 Nitrogenous fertilizers
2874 Phosphatic fertilizers
2875 Fertilizers, mixing only
2879 Agricultural chemicals, nec
2891 Adhesives and sealants
2892 Explosives
2893 Printing ink
2895 Carbon black
2899 Chemical preparations, nec

Petroleum and Coal Products
2911 Petroleum refining
2951 Asphalt paving mixtures and blocks
2952 Asphalt felts and coatings
2992 Lubricating oils and greases
2999 Petroleum and coal products, nec

Rubber and Miscellaneous Plastic Products
3011 Tires and inner tubes
3021 Rubber and plastics footwear
3052 Rubber and plastics hose and belting
3053 Gaskets, packing and sealing devices
3061 Mechanical rubber goods
3069 Fabricated rubber products, nec
3081 Unsupported plastics, film and sheet
3082 Unsupported plastics, profile shapes
3083 Laminated plastics, plate and sheet
3084 Plastics, pipe
3085 Plastics, bottles
3086 Plastics, foam products
3087 Custom compound purchased resins
3088 Plastics, plumbing fixtures
3089 Plastics products, nec

Leather and Leather Products
3111 Leather tanning and finishing
3131 Footwear, cut stock
3142 House slippers
3143 Men’s footwear, except athletic
3144 Women’s footwear, except athletic
3149 Footwear, except rubber, nec
3151 Leather gloves and mittens
3161 Luggage
3171 Women’s handbags and purses
3172 Personal leather goods, nec
3199 Leather goods, nec

Stone, Clay, and Glass Products
3211 Flat glass
3221 Glass containers
3229 Pressed and blown glass, nec
3231 Products of purchased glass
3241 Cement, hydraulic
3251 Brick-and structural clay tile
3253 Ceramic wall and floor tile
3255 Clay refractories
3259 Structural clay products, nec
3261 Vitreous plumbing fixtures
3262 Vitreous china table and kitchenware
3263 Semivitreous table and kitchenware
3464 Porcelain electrical supplies
3269 Pottery products, nec
3271 Concrete block and brick
3272 Concrete products, nec
3273 Ready-mixed concrete
3274 Lime
3275 Gypsum products
3281 Cut stone and stone products
3291 Abrasive products
3292 Asbestos products
3295 Minerals, ground or treated
3296 Mineral wool
3297 Nonclay refractories
3299 Nonmetallic mineral products, nec
Primary Metal Industries
3312 Blast furnaces and steel mills
3313 Electrometallurgical products
3315 Steel wire and related products
3316 Cold finishing of steel shapes
3317 Steel pipe and tubes
3321 Gray and ductile iron foundries
3322 Malleable iron foundries
3324 Steel investment foundries
3325 Steel foundries, nec
3331 Primary copper
3334 Primary aluminum
3339 Primary nonferrous metals, nec
3341 Secondary nonferrous metals
3351 Copper rolling and drawing
3353 Aluminum sheet, plate, and foil
3354 Aluminum extruded products
3355 Aluminum rolling and drawing, nec
3356 Nonferrous rolling and drawing, nec
3357 Nonferrous wire drawing and insulating
3363 Aluminum die-castings
3364 Nonferrous die-castings, except aluminum
3365 Aluminum foundries
3366 Copper foundries
3369 Nonferrous foundries, nec
3398 Metal heat treating
3399 Primary metal products, nec

Fabricated Metal Products
3411 Metal cans
3412 Metal barrels, drums, and pails
3421 Cutlery
3423 Hand and edge tools, nec
3425 Saw blades and handsaws
3429 Hardware, nec
3431 Metal sanitary ware
3432 Plumbing fixture fittings and trim
3433 Heating equipment, except electric
3441 Fabricated structural metal
3442 Metal doors, sash, and trim
3443 Fabricated plate work (boiler shops)
3444 Sheet metal work
3446 Architectural metal work
3448 Prefabricated metal buildings
3449 Miscellaneous metal work
3451 Screw machine products
3452 Bolts, nuts, rivets, and washers
3462 Iron and steel forging
3463 Nonferrous forging
3465 Automotive stamping
3466 Crowns and closures
3469 Metal stamping, nec
3471 Plating and polishing
3479 Metal coating and allied services
3482 Small arms ammunition
3483 Ammunition, except for small arms, nec
3484 Small arms
3489 Ordnance and accessories, nec
3491 Industrial valves
3492 Fluid power valves and hose fittings
3493 Steel springs, except wire
3494 Valves and pipe fittings, nec
3495 Wire springs
3496 Miscellaneous fabricated wire products
3497 Metal foil and leaf
3498 Fabricated pipe and fittings
3499 Fabricated metal products, nec

Industrial Machinery and Equipment
3511 Turbines and turbine generator sets
3519 Internal combustion engines, nec
3523 Farm machinery and equipment
3524 Lawn and garden equipment
3531 Construction machinery
3532 Mining machinery
3533 Oil and gas field machinery
3534 Elevators and moving stairways
3535 Conveyors and conveying equipment
3536 Hoists, cranes, and monorails
3537 Industrial trucks and tractors
3541 Machine tools, metal cutting types
3542 Machine tools, metal forming types
3543 Industrial patterns
3544 Special dies, tools, jigs, and fixture
3545 Machine tool accessories
3546 Power driven hand tools
3547 Rolling mill machinery
Appendix C Classification Codes

3548 Welding apparatus
3549 Metalworking machinery, nec
3552 Textile machinery
3553 Woodworking machinery
3554 Paper industries machinery
3555 Printing trades machinery
3556 Food products machinery
3559 Special industry machinery, nec
3561 Pumps and pumping equipment
3562 Ball and roller bearings
3563 Air and gas compressors
3564 Blowers and fans
3565 Packaging machinery
3566 Speed changers, drives, and gears
3567 Industrial furnaces and ovens
3568 Power transmission equipment, nec
3569 General industrial machinery, nec
3571 Electronic computers
3572 Computer storage devices
3575 Computer terminals
3577 Computer peripheral equipment, nec
3578 Calculating and accounting equipment
3579 Office machines, nec
3581 Automatic vending machines
3582 Commercial laundry equipment
3585 Refrigeration and heating equipment
3586 Measuring and dispensing pumps
3589 Service industry machinery, nec
3592 Carburetors, pistons, rings, valves
3593 Fluid power cylinders and actuators
3594 Fluid power pumps and motors
3596 Scales and balances, except laboratory
3599 Industrial machinery, nec

Electronic and Other Electric Equipment
3612 Transformers, except electronic
3613 Switchgear and switchboard apparatus
3621 Motors and generators
3624 Carbon and graphite products
3625 Relays and industrial controls
3629 Electrical industrial apparatus, nec
3631 Household cooking equipment
3632 Household refrigerators and freezers
3633 Household laundry equipment
3634 Electric housewares and fans
3635 Household vacuum cleaners
3639 Household appliances, nec
3641 Electric lamps
3643 Current-carrying wiring devices
3644 Noncurrent-carrying wiring devices
3645 Residential lighting fixtures
3646 Commercial lighting fixtures
3647 Vehicular lighting equipment
3648 Lighting equipment, nec
3651 Household audio and video equipment
3652 Prerecorded records and tapes
3661 Telephone and telegraph apparatus
3663 Radio and TV communication equipment
3669 Communications equipment, nec
3671 Electron tubes
3672 Printed circuit boards
3674 Semiconductors and related devices
3675 Electronic capacitors
3676 Electronic resistors
3677 Electronic coils and transformers
3678 Electronic connectors
3679 Electronic components, nec
3691 Storage batteries
3692 Primary batteries, dry and wet
3694 Engine electrical equipment
3695 Magnetic and optical recording media
3699 Electrical equipment and supplies, nec

Transportation Equipment
3711 Motor vehicles and car bodies
3713 Truck and bus bodies
3714 Motor vehicle parts and accessories
3715 Truck trailers
3716 Motor homes
3721 Aircraft
3724 Aircraft engines and engine parts
3728 Aircraft parts and equipment, nec
3731 Ship building and repairing
3732 Boat building and repairing
3743 Railroad equipment
3751 Motorcycles, bicycles, and parts
3761 Guided missiles and space vehicles
3764 Space propulsion units and parts
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<td>Travel trailers and campers</td>
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<td>Tanks and tank components</td>
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<td>Hard surface floor coverings, nec</td>
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<td>3999</td>
<td>Manufacturing industries, nec</td>
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</tbody>
</table>

**Railroad Transportation**

- 4011 Railroads, line-haul operating
- 4013 Switching and terminal devices

**Local and Interurban Passenger Transit**

- 4111 Local and suburban transit
- 4119 Local passenger transportation, nec
- 4121 Taxicabs
- 4131 Intercity and rural bus transportation
- 4141 Local bus charter service
- 4142 Bus charter service, except local
- 4151 School buses
- 4173 Bus terminal and service facilities

**Trucking and Warehousing**

- 4212 Local trucking, without storage
- 4213 Trucking, except local
- 4214 Local trucking with storage
- 4215 Courier services, except by air
- 4221 Farm product warehousing and storage
- 4222 Refrigerated warehousing and storage
- 4225 General warehousing and storage
- 4226 Special warehousing and storage, nec
- 4231 Trucking terminal facilities

**U.S. Postal Service**

- 4311 U.S. Postal Service

**Water Transportation**

- 4412 Deep sea foreign transportation of freight
- 4424 Deep sea domestic trans. of freight
- 4432 Freight transportation, on the Great Lakes
- 4449 Water transportation of freight, nec
- 4481 Deep sea passenger trans., except ferry
- 4482 Ferries
- 4489 Water passenger transportation, nec
- 4491 Marine cargo handling

**Miscellaneous Manufacturing Industries**

- 3911 Jewelry, precious metal
- 3914 Silverware and plated ware
- 3915 Jewelers' materials and lapidary work
- 3931 Musical instruments
- 3942 Dolls and stuffed toys
- 3944 Games, toys, and children's vehicles
- 3949 Sporting and athletic goods, nec
- 3951 Pens and mechanical pencils
- 3952 Lead pencils and art goods
- 3953 Marking devices
- 3955 Carbon paper and inked ribbons
- 3961 Costume jewelry
- 3965 Fasteners, buttons, needles, and pins
- 3991 Brooms and brushes
- 3993 Signs and advertising specialties
- 3995 Burial caskets

**Instruments and Related Products**

- 3812 Search and navigation equipment
- 3821 Laboratory apparatus and furniture
- 3822 Environmental controls
- 3823 Process control instruments
- 3824 Fluid meters and counting devices
- 3825 Instruments to measure electricity
- 3826 Analytical instruments
- 3827 Optical instruments and lenses
- 3829 Measuring and controlling devices, nec
- 3841 Surgical and medical instruments
- 3842 Surgical appliances and supplies
- 3843 Dental equipment and supplies
- 3844 X-ray apparatus and tubes
- 3845 Electromedical equipment
- 3851 Ophthalmic goods
- 3861 Photographic equipment and supplies
- 3873 Watches, clocks, watchcases, and parts
### Appendix C Classification Codes

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
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<tbody>
<tr>
<td>4492</td>
<td>Towing and tugboat service</td>
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<td>4493</td>
<td>Marinas</td>
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#### Transportation by Air

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<td>4513</td>
<td>Air courier services</td>
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<td>4522</td>
<td>Air transportation, nonscheduled</td>
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<td>4581</td>
<td>Airports, flying fields, and services</td>
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#### Pipelines, Except Natural Gas

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<td>Refined petroleum pipelines</td>
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#### Transportation Services

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<td>Tour operators</td>
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<td>Freight transportation arrangement</td>
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<td>4741</td>
<td>Rental of railroad cars</td>
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<td>4783</td>
<td>Packing and crating</td>
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<td>4785</td>
<td>Inspection and fixed facilities</td>
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#### Communications

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<td>4812</td>
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<td>4813</td>
<td>Telephone communications, except radio</td>
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<td>4822</td>
<td>Telegraph and other communications</td>
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<td>4832</td>
<td>Radio broadcasting stations</td>
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<td>Television broadcasting stations</td>
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<td>Cable and other pay TV services</td>
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#### Electric, Gas, and Sanitary services

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<td>Gas transmission and distribution</td>
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<td>Natural gas distribution</td>
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<td>Gas production and/or distribution</td>
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<td>Electric and other services combined</td>
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<td>4961</td>
<td>Steam and air conditioning supply</td>
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#### Wholesale Trade, Durable Goods

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<td>5013</td>
<td>Motor vehicle supplies and new parts</td>
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<tr>
<td>5014</td>
<td>Tires and tubes</td>
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<td>5015</td>
<td>Motor vehicle parts, used</td>
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<td>5021</td>
<td>Furniture</td>
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<td>5023</td>
<td>Home furnishings</td>
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<td>5031</td>
<td>Lumber, plywood, and millwork</td>
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<td>5032</td>
<td>Brick, stone, and related materials</td>
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<tr>
<td>5033</td>
<td>Roofing, siding, and insulation</td>
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<td>5039</td>
<td>Construction materials, nec</td>
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<td>5043</td>
<td>Construction materials, nec</td>
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<td>5044</td>
<td>Photographic equipment and supplies</td>
</tr>
<tr>
<td>5045</td>
<td>Computers, peripherals, and software</td>
</tr>
<tr>
<td>5046</td>
<td>Commercial equipment, nec</td>
</tr>
<tr>
<td>5047</td>
<td>Medicinal and hospital equipment</td>
</tr>
<tr>
<td>5048</td>
<td>Ophthalmic goods</td>
</tr>
<tr>
<td>5049</td>
<td>Professional equipment, nec</td>
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<tr>
<td>5051</td>
<td>Metals service centers and offices</td>
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<tr>
<td>5052</td>
<td>Coal and other minerals and ores</td>
</tr>
<tr>
<td>5063</td>
<td>Electrical apparatus and equipment</td>
</tr>
<tr>
<td>5064</td>
<td>Electrical appliances, TV and radios</td>
</tr>
<tr>
<td>5065</td>
<td>Electronic parts and equipment</td>
</tr>
<tr>
<td>5072</td>
<td>Hardware</td>
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<tr>
<td>5074</td>
<td>Plumbing and hydronic heating supplies</td>
</tr>
<tr>
<td>5075</td>
<td>Warm air heating and air conditioning</td>
</tr>
<tr>
<td>5078</td>
<td>Refrigeration equipment and supplies</td>
</tr>
<tr>
<td>5082</td>
<td>Construction and mining machinery</td>
</tr>
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<td>5083</td>
<td>Farm and garden machinery</td>
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<td>5084</td>
<td>Industrial machinery and equipment</td>
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<td>5085</td>
<td>Industrial supplies</td>
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<tr>
<td>5087</td>
<td>Service establishment equipment</td>
</tr>
<tr>
<td>5088</td>
<td>Transportation equipment and supplies</td>
</tr>
<tr>
<td>5091</td>
<td>Sporting and recreational goods</td>
</tr>
</tbody>
</table>
5092 Toys and hobby goods and supplies
5093 Scrap and waste materials
5094 Jewelry and precious stones
5099 Durable goods, nec

Wholesale Trade, Nondurable Goods
5111 Printing and writing paper
5112 Stationery and office supplies
5113 Industrial and personal service paper
5122 Drugs, proprietaries, and sundries
5131 Piece goods and notions
5136 Men’s and boys’ clothing
5137 Women’s and children’s clothing
5139 Footwear
5141 Groceries, general line
5142 Packaged frozen foods
5143 Dairy products, except dried or canned
5144 Poultry and poultry products
5145 Confectionery
5146 Fish and seafood
5147 Meats and meat products
5148 Fresh fruits and vegetables
5149 Groceries and related products, nec
5153 Grain and field beans
5154 Livestock
5159 Farm-product raw materials, nec
5162 Plastics materials and basic shapes
5169 Chemicals and allied products, nec
5171 Petroleum bulk stations and terminals
5172 Petroleum products, nec
5181 Beer and ale
5182 Wines and distilled beverages
5191 Farm supplies
5192 Books, periodicals, and newspapers
5193 Flowers and florists’ supplies
5194 Tobacco and tobacco products
5198 Paints, varnishes, and supplies
5199 Nondurable goods, nec

5251 Hardware stores
5261 Retail nurseries and gardens
5271 Mobile home dealers

General Merchandise Stores
5311 Department stores
5331 Variety stores
5399 Miscellaneous general merchandise stores

Food Stores
5411 Grocery stores
5421 Meat and fish markets
5431 Fruit and vegetable markets
5441 Candy, nut, and confectionery stores
5451 Dairy products stores
5461 Retail bakers
5499 Miscellaneous food stores

Automotive Dealers and Service Stations
5511 New and used car dealers
5521 Used car dealers
5531 Auto and home supply stores
5541 Gasoline service stations
5551 Boat dealers
5561 Recreational vehicle dealers
5571 Motorcycle dealers
5599 Automotive dealers, nec

Apparel and Accessory Stores
5611 Men’s and boys’ clothing stores
5621 Women’s clothing stores
5632 Women’s accessory and specialty stores
5641 Children’s and infants’ wear stores
5651 Family clothing stores
5661 Shoe stores
5699 Miscellaneous apparel and accessory stores

Furniture and Home furnishings Stores
5712 Furniture stores
5713 Floor covering stores
5714 Drapery and upholstery stores
Appendix C Classification Codes

5719 Miscellaneous home furnishings stores
5722 Household appliance stores
5731 Radio, TV, and electronic stores
5734 Computer and software stores
5735 Record and prerecorded tape stores
5736 Musical instruments stores

Eating and Drinking Places
5812 Eating places
5813 Drinking places

Miscellaneous Retail
5912 Drugstores and proprietary stores
5921 Liquor stores
5932 Used merchandise stores
5941 Sporting goods and bicycle shops
5942 Book stores
5943 Stationery stores
5944 Jewelry stores
5945 Hobby, toy, and game shops
5946 Camera and photographic supply stores
5947 Gift, novelty, and souvenir shops
5948 Luggage and leather goods stores
5949 Sewing, needlework, and piece goods
5961 Catalog and mail order houses
5962 Merchandising machine operators
5963 Direct selling organizations
5983 Fuel oil dealers
5989 Fuel dealers, nec
5984 Liquefied petroleum gas dealers
5992 Florists
5993 Cigar stores and stands
5994 News dealers and newsstands
5995 Optical goods stores
5999 Miscellaneous retail stores, nec

Depository Institutions
6011 Federal Reserve banks
6019 Central reserve depository, nec
6021 National commercial banks
6022 State commercial banks
6029 Commercial banks, nec
6035 Federal savings institutions
6036 Savings institutions, except federal
6061 Federal credit unions
6062 State credit unions
6081 Foreign banks and branches and agencies
6082 Foreign trade and international banks
6091 Nondeposit trust facilities
6099 Functions related to deposit banking

Nondepository Institutions
6111 Federal and federally-sponsored credit
6141 Personal credit institutions
6153 Short-term business credit
6159 Miscellaneous business credit institutions
6162 Mortgage bankers and correspondents
6163 Loan brokers

Security and Commodity Brokers
6211 Security brokers and dealers
6221 Commodity contracts brokers, dealers
6231 Security and commodity exchanges
6282 Investment advice
6289 Security and commodity services, nec

Insurance Carriers
6311 Life insurance
6321 Accident and health insurance
6324 Hospital and medical service plans
6331 Fire, marine, and casualty insurance
6351 Surety insurance
6361 Title insurance
6371 Pension, health, and welfare funds
6399 Insurance carriers, nec

Insurance Agents, Brokers, and Service
6411 Insurance agents, brokers, and service

Real Estate
6512 Nonresidential building operators
6513 Apartment building operators
6514 Dwelling operators, except apartments
6515 Mobile home site operators
6517 Railroad property lessors
Appendix C Classification Codes

6519 Real property lessors, nec
6531 Real estate agents and managers
6541 Title abstract offices
6552 Subdividers and developers, nec
6553 Cemetery subdividers and developers

Holding and Other Investment Offices
6712 Bank holding companies
6719 Holding companies, nec
6722 Management investment, open-end
6726 Investment offices, nec
6732 Educational, religious, etc. trusts
6733 Trusts, nec
6792 Oil royalty traders
6794 Patent owners and lessors
6798 Real estate investment trusts
6799 Investors, nec

Hotels and Other Lodging Places
7011 Hotels and motels
7021 Rooming and boarding houses
7032 Sporting and recreational camps
7033 Trailer parks and camp sites
7041 Membership-basis organization hotels

Personal Services
7211 Power laundries, family and commercial
7212 Garment pressing and cleaners’ agents
7213 Linen supply
7215 Coin-operated laundries and cleaning
7216 Dry cleaning plants, except rug
7217 Carpet and upholstery cleaning
7218 Industrial launderers
7219 Laundry and garment services, nec
7221 Photographic studios, portrait
7231 Beauty shops
7241 Barber shops
7251 Shoe repair and shoeshine shops
7261 Funeral service and crematories
7291 Tax return preparation services
7299 Miscellaneous personal services, nec

Business Services
7311 Advertising agencies
7312 Outdoor advertising services
7313 Radio, TV, publisher representatives
7319 Advertising, nec
7322 Adjustment and collection services
7323 Credit reporting services
7331 Direct mail advertising services
7334 Photocopying and duplicating services
7335 Commercial photography
7336 Commercial art and graphic design
7338 Secretarial and court reporting
7342 Disinfecting and pest control services
7349 Building maintenance services, nec
7352 Medical equipment rental
7353 Heavy construction equipment rental
7359 Equipment rental and leasing, nec
7361 Employment agencies
7363 Help supply services
7371 Computer programming services
7372 Prepackaged software
7373 Computer integrated systems design
7374 Data processing services
7375 Information retrieval services
7376 Computer facilities management
7377 Computer rental and leasing
7378 Computer maintenance and repair
7379 Computer related services, nec
7381 Detective and armored car services
7382 Security systems services
7383 News syndicates
7384 Photofinishing laboratories
7389 Business services, nec

Automotive Repair, Services, and Parking
7513 Truck rental and leasing, no drivers
7514 Passenger car rental
7515 Passenger car leasing
7519 Utility trailer rental
7521 Automobile parking
7532 Top and body repair and paint shops
7533 Auto exhaust system repair shops
7534 Tire retreading and repair shops
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<th>Description</th>
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<tbody>
<tr>
<td>7536</td>
<td>Automotive glass replacement shops</td>
</tr>
<tr>
<td>7537</td>
<td>Automotive transmission repair shops</td>
</tr>
<tr>
<td>7538</td>
<td>General automotive repair shops</td>
</tr>
<tr>
<td>7539</td>
<td>Automotive repair shops, nec</td>
</tr>
<tr>
<td>7542</td>
<td>Car washes</td>
</tr>
<tr>
<td>7549</td>
<td>Automotive services, nec</td>
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**Miscellaneous Repair Services**

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<th>Description</th>
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<tbody>
<tr>
<td>7622</td>
<td>Radio and television repair</td>
</tr>
<tr>
<td>7623</td>
<td>Refrigeration service and repair</td>
</tr>
<tr>
<td>7629</td>
<td>Electrical repair shops, nec</td>
</tr>
<tr>
<td>7631</td>
<td>Watch, clock, and jewelry repair</td>
</tr>
<tr>
<td>7641</td>
<td>Reupholstery and furniture repair</td>
</tr>
<tr>
<td>7692</td>
<td>Welding repair</td>
</tr>
<tr>
<td>7694</td>
<td>Armature rewinding shops</td>
</tr>
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<td>7699</td>
<td>Repair services, nec</td>
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**Motion Pictures**

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<th>Description</th>
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<tbody>
<tr>
<td>7812</td>
<td>Motion picture and video production</td>
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<tr>
<td>7819</td>
<td>Services allied to motion pictures</td>
</tr>
<tr>
<td>7822</td>
<td>Motion picture and tape distribution</td>
</tr>
<tr>
<td>7829</td>
<td>Motion picture distribution services</td>
</tr>
<tr>
<td>7832</td>
<td>Motion picture theaters except drive-in</td>
</tr>
<tr>
<td>7833</td>
<td>Drive-in motion picture theaters</td>
</tr>
<tr>
<td>7841</td>
<td>Video tape rental</td>
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**Amusement and Recreation Services**

<table>
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<tr>
<th>Classification Code</th>
<th>Description</th>
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<tbody>
<tr>
<td>7911</td>
<td>Dance studios, schools, and halls</td>
</tr>
<tr>
<td>7922</td>
<td>Theatrical producers and services</td>
</tr>
<tr>
<td>7929</td>
<td>Entertainers and entertainment groups</td>
</tr>
<tr>
<td>7933</td>
<td>Bowling centers</td>
</tr>
<tr>
<td>7941</td>
<td>Sports clubs, managers, and promoters</td>
</tr>
<tr>
<td>7948</td>
<td>Racing, including track operation</td>
</tr>
<tr>
<td>7991</td>
<td>Physical fitness facilities</td>
</tr>
<tr>
<td>7992</td>
<td>Public golf courses</td>
</tr>
<tr>
<td>7993</td>
<td>Coin-operated amusement devices</td>
</tr>
<tr>
<td>7996</td>
<td>Amusement parks</td>
</tr>
<tr>
<td>7997</td>
<td>Membership sports and recreation clubs</td>
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<td>7999</td>
<td>Amusement and recreation, nec</td>
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**Health Services**

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<tr>
<td>8011</td>
<td>Offices and clinics of medical doctors</td>
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<tr>
<td>8021</td>
<td>Offices and clinics of dentists</td>
</tr>
<tr>
<td>8031</td>
<td>Offices of osteopathic physicians</td>
</tr>
<tr>
<td>8041</td>
<td>Offices and clinics of chiropractors</td>
</tr>
<tr>
<td>8042</td>
<td>Offices and clinics of optometrists</td>
</tr>
<tr>
<td>8043</td>
<td>Office and clinics of podiatrists</td>
</tr>
<tr>
<td>8049</td>
<td>Offices of health practitioners, nec</td>
</tr>
<tr>
<td>8051</td>
<td>Skilled nurse care facilities</td>
</tr>
<tr>
<td>8052</td>
<td>Intermediate care facilities</td>
</tr>
<tr>
<td>8059</td>
<td>Nursing and personal care, nec</td>
</tr>
<tr>
<td>8062</td>
<td>General medical and surgical hospitals</td>
</tr>
<tr>
<td>8063</td>
<td>Psychiatric hospitals</td>
</tr>
<tr>
<td>8069</td>
<td>Specialty hospitals, except psychiatric</td>
</tr>
<tr>
<td>8071</td>
<td>Medical laboratories</td>
</tr>
<tr>
<td>8072</td>
<td>Dental laboratories</td>
</tr>
<tr>
<td>8082</td>
<td>Home health care services</td>
</tr>
<tr>
<td>8092</td>
<td>Kidney dialysis centers</td>
</tr>
<tr>
<td>8093</td>
<td>Specialty outpatient clinics, nec</td>
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<tr>
<td>8099</td>
<td>Health and allied services, nec</td>
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**Legal Services**

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<th>Description</th>
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<tr>
<td>8111</td>
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**Educational Services**

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<tbody>
<tr>
<td>8211</td>
<td>Elementary and secondary schools</td>
</tr>
<tr>
<td>8221</td>
<td>Colleges and universities</td>
</tr>
<tr>
<td>8222</td>
<td>Junior colleges</td>
</tr>
<tr>
<td>8231</td>
<td>Libraries</td>
</tr>
<tr>
<td>8243</td>
<td>Data processing schools</td>
</tr>
<tr>
<td>8244</td>
<td>Business and secretarial schools</td>
</tr>
<tr>
<td>8249</td>
<td>Vocational schools, nec</td>
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<tr>
<td>8299</td>
<td>Schools and educational services, nec</td>
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**Social Services**

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<tr>
<td>8322</td>
<td>Individual and family services</td>
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<tr>
<td>8331</td>
<td>Job training and related services</td>
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<td>8351</td>
<td>Child day care services</td>
</tr>
<tr>
<td>8361</td>
<td>Residential care</td>
</tr>
<tr>
<td>8399</td>
<td>Social services, nec</td>
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</table>

**Museums, Botanical, Zoological Gardens**

<table>
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<th>Description</th>
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<tbody>
<tr>
<td>8412</td>
<td>Museums and art galleries</td>
</tr>
<tr>
<td>8422</td>
<td>Botanical and zoological gardens</td>
</tr>
</tbody>
</table>
### Membership Organizations
- 8611 Business associations
- 8621 Professional organizations
- 8631 Labor organizations
- 8641 Civic and social associations
- 8651 Political organizations
- 8661 Religious organizations
- 8699 Membership organizations, nec

### Engineering and Management Services
- 8711 Engineering services
- 8712 Architectural services
- 8713 Surveying services
- 8721 Accounting, auditing, and bookkeeping
- 8731 Commercial physical research
- 8732 Commercial nonphysical research
- 8733 Noncommercial research organizations
- 8734 Testing laboratories
- 8741 Management services
- 8742 Management consulting services
- 8743 Public relations services
- 8744 Facilities support services
- 8748 Business consulting, nec

### Private Households
- 8811 Private households

### Services, nec
- 8999 Services, nec

### Executive, Legislative, and General
- 9111 Executive offices
- 9121 Legislative bodies
- 9131 Executive and legislative combined
- 9199 General government, nec

### Justice, Public Order, and Safety
- 9211 Courts
- 9221 Police protection
- 9222 Legal counsel and prosecution
- 9223 Correctional institutions
- 9224 Fire protection
- 9229 Public order and safety, nec

### Finance, Taxation, and Monetary Policy
- 9311 Finance, taxation, and monetary policy

### Administration of Human Resources
- 9411 Administration of educational programs
- 9431 Administration of public health programs
- 9441 Administration of social and manpower programs
- 9451 Administration of veterans’ affairs

### Environmental Quality, and Housing
- 9511 Air, water, and solid waste management
- 9512 Land, mineral, wildlife conservation
- 9531 Housing programs
- 9532 Urban and community development

### Administration of Economic Programs
- 9611 Administration of general economic programs
- 9621 Regulation, admin. of transportation
- 9631 Regulation, administration of utilities
- 9641 Regulation of agricultural marketing
- 9651 Regulation of misc. commercial sectors
- 9661 Space research and technology

### National Security and International Affairs
- 9711 National security
- 9721 International affairs

### Nonclassifiable Establishments
- 9999 Nonclassifiable establishment
Appendix D California Waste Codes (CWC)

California Nonrestricted Wastes

Inorganics

121. Alkaline solution (pH > or = 12.5) with metals (antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, molybdenum, nickel, selenium, silver, thallium, vanadium, or zinc)

122. Alkaline solution without metals (pH > or = 12.5)

123. Unspecified alkaline solution

131. Aqueous solution (2 < pH < 12.5) containing reactive anions (azide, bromate, chlorate, cyanide, fluoride, hypochlorite, nitrite, perchlorate, and sulfide anions)

132. Aqueous solution with metals (restricted levels and see waste code 121 for a list of metals)

133. Aqueous solution with total organic residues 10 percent or more

134. Aqueous solution with total organic residues less than 10 percent

135. Unspecified aqueous solution

141. Off-specification, aged, or surplus inorganics

151. Asbestos-containing waste

161. Fluid-cracking Catalyst (FCC) waste

162. Other spent catalyst

171. Metal sludge (see 121)

172. Metal dust (see 121) and machining waste

181. Other inorganic solid waste

Organics

211. Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.)

212. Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)

213. Hydrocarbon solvents (benzene, hexane, Stoddard, etc.)

214. Unspecified solvent mixture

221. Waste oil and mixed oil

222. Oil/water separation sludge

223. Unspecified oil-containing waste

231. Pesticide rinse water

232. Pesticides and other waste associated with pesticide production

241. Tank bottom waste

251. Still bottoms with halogenated organics

252. Other still bottom waste

261. Polychlorinated biphenyls and material containing PCBs

271. Organic monomer waste (includes unreacted resins)

272. Polymeric resin waste

281. Adhesives

291. Latex waste

311. Pharmaceutical waste

321. Sewage sludge

322. Biological waste other than sewage sludge

331. Off-specification, aged, or surplus organics

341. Organic liquids (nonsolvents with halogens)

342. Organic liquids with metals (see 121)
343. Unspecified organic liquid mixture
351. Organic solids with halogens
352. Other organic solids

Solids

411. Alum and gypsum sludge
421. Lime sludge
431. Phosphate sludge
441. Sulfur sludge
451. Degreasing sludge
461. Paint sludge
471. Paper sludge/pulp
481. Tetraethyl lead sludge
491. Unspecified sludge waste

Miscellaneous

511. Empty pesticide containers 30 gallons or more
512. Other empty containers 30 gallons or more
513. Empty containers less than 30 gallons
521. Drilling mud
531. Chemical toilet waste
541. Photochemicals/photoprocessing waste
551. Laboratory waste chemicals
561. Detergent and soap
571. Fly ash, bottom ash, and retort ash
581. Gas scrubber waste
591. Baghouse waste
611. Contaminated soil from site clean-ups
612. Household wastes
613. Auto-shredder waste

California Restricted Wastes

711. Liquids with cyanides > or = 1000 Mg/L
721. Liquids with arsenic > or = 500 Mg/L
722. Liquids with cadmium > or = 100 Mg/L
723. Liquids with chromium(VI) > or = 500 Mg/L
724. Liquids with lead > or = 500 Mg/L
725. Liquids with mercury > or = 20 Mg/L
726. Liquids with nickel > or = 134 Mg/L
727. Liquids with selenium > or = 100 Mg/L
728. Liquids with thallium > or = 130 Mg/L
731. Liquids with polychlorinated biphenyls > or = 50 Mg/L
741. Liquids with halogenated organic compounds > or = 1000 Mg/L
751. Solids or sludges with halogenated organic compounds > or = 1000 mg/Kg
791. Liquids with pH < or = 2
792. Liquids with pH < or = 2 with metals
801. Waste potentially containing dioxins

Source: California Code of Regulations, Title 22, Division 4.5, Chapter 11, Appendix XII.
The Office of Pollution Prevention and Green Technology (OPPGT) within the Department of Toxic Substances Control (DTSC) provides this Publications List. The Pollution Prevention Program supplies information on how to implement alternatives to the generation of hazardous pollutants (pollution prevention). The Technology Certification Program evaluates and certifies the performance of environmental technologies. All reports, CDs, and videos are available at no cost. Please contact OPPGT prior to requesting multiple copies of documents and videos to ensure there is adequate stock on hand. Some documents are available on our website (http://www.dtsc.ca.gov/PollutionPrevention/index.html). Reference copies are located at select California Repository Libraries. Thank you for your interest in improving our environment. We hope this information will be useful.

**HAZARDOUS WASTE SOURCE REDUCTION & MANAGEMENT REVIEW ACT OF 1989**

The preferred approach to waste minimization is source reduction. Source reduction is any activity that prevents or reduces the generation of hazardous waste. Source reduction does not include reducing the volume or toxicity after the hazardous waste is generated.

<table>
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<th>Title</th>
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<td>SB 14 requires generators to examine current hazardous waste generating processes for hazardous waste minimization opportunities and create a plan to implement workable alternatives. Generators of hazardous waste in excess of amounts specified in SB 14 must prepare a Source Reduction Evaluation Review and Plan, a Hazardous Waste Management Performance Report, and a Summary Progress Report according to a fixed time schedule.</td>
</tr>
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</table>

<table>
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<tr>
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<th>Title</th>
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<tbody>
<tr>
<td>Updated</td>
<td>The revised Compliance Checklist serves as a substitute format for the Source Reduction Evaluation Review and Plan. It also contains the Summary Progress Report. The Compliance Checklist can be used by small businesses only.</td>
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### Appendix E Publications

<table>
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<th>Doc. No.</th>
<th>Title</th>
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<tbody>
<tr>
<td>217</td>
<td>How To Select and Use Safe Janitorial Chemicals (1999, 19 pp.)</td>
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</table>

This compilation of fact sheets provides important information on safer janitorial chemicals and products for commercial buildings’ toilet care, carpet care, rest room cleaning, etc. It highlights important safety tips, pollution prevention techniques, monitoring, and workers’ training. All could result in reducing pollution while enhancing workers’ safety.

### WASTE AUDIT STUDIES

Full-scale assessments of specific industries that show where waste minimization methods can be most effective.

<table>
<thead>
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<th>Doc. No.</th>
<th>Title</th>
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<tbody>
<tr>
<td>315</td>
<td>Photo processing Industry (1995, 267 pp.)</td>
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### HAZARDOUS WASTE MINIMIZATION CHECKLIST AND ASSESSMENT MANUALS

Manuals developed to aid manufacturers in evaluating their shops for waste minimization opportunities.

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<tr>
<td>402</td>
<td>Metal Finishing Industry (1993, 143 pp.)</td>
</tr>
<tr>
<td>405</td>
<td>Electronics Industry (1996, 76 pp.)</td>
</tr>
<tr>
<td>409</td>
<td>Marine Ship and Pleasure Vessel Boat Yards (1993, 30 pp.)</td>
</tr>
<tr>
<td>410</td>
<td>Jewelry Manufacturing Pollution Prevention Recommendations (2002, 11 pp.)</td>
</tr>
</tbody>
</table>

Pollution Prevention Recommendations for the Jewelry Manufacturing Industry. Covers lost wax casting techniques, cyanide bombing, stripping, polishing, soldering, and chemical storage. Fact sheet is also available in Armenian, Spanish, and Vietnamese.
### BIENNIAL REPORTS TO THE CALIFORNIA STATE LEGISLATURE

<table>
<thead>
<tr>
<th>Doc. No.</th>
<th>Title</th>
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<tbody>
<tr>
<td>540</td>
<td><strong>Pollution Prevention Accomplishments</strong> (1999, 41 pp.)</td>
</tr>
<tr>
<td></td>
<td>Reports the significant accomplishments and activities of</td>
</tr>
<tr>
<td>541</td>
<td><strong>Pollution Prevention Report and 2-Year Workplan</strong> (2000, 173 pp.)</td>
</tr>
<tr>
<td></td>
<td>Summarizes DTSC’s activities per SB 1916 of 1998.</td>
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<td></td>
<td>Includes information about the trends in hazardous waste</td>
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<td></td>
<td>generation, the status of hazardous waste generation in 1998, the 2-year pollution prevention workplan developed with the guidance of DTSC’s Pollution Prevention Advisory Committee, information about economic and financial incentives for pollution prevention, a description of DTSC research projects, and a list of Advisory Committee recommendations and issues for further discussion. The appendices include agendas and minutes from Advisory Committee meetings.</td>
</tr>
<tr>
<td></td>
<td>Summarizes DTSC’s activities per SB 1916 of 1998.</td>
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<tr>
<td></td>
<td>Includes information about the trends and status of hazardous waste generation. The 2-year pollution prevention workplan was developed with the guidance of DTSC’s Pollution Prevention Advisory Committee.</td>
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### LOCAL GOVERNMENT

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<tr>
<th>Doc. No.</th>
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<tbody>
<tr>
<td></td>
<td>Provides ideas to assist local agencies in getting industry more actively involved in pollution prevention programs. The guide has been developed by using information and case studies from various local agencies and consulting basic marketing techniques.</td>
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</table>

### WASTE MINIMIZATION ASSESSMENTS OF SPECIFIC FACILITIES

<table>
<thead>
<tr>
<th>Doc. No.</th>
<th>Title</th>
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<tbody>
<tr>
<td>528</td>
<td><strong>Assessment of the Aerospace Industry Facility Planning Efforts</strong> (1993, 100 pp.)</td>
</tr>
<tr>
<td></td>
<td>Presents the results of the DTSC’s assessment of the aerospace industry’s source reduction review and planning effort as mandated under SB 14. The report discusses the review of about 90 facility summaries and 22 plans and reports.</td>
</tr>
<tr>
<td>529</td>
<td><strong>Assessment of the Petroleum Industry Facility Planning Efforts</strong> (1993, 70 pp.)</td>
</tr>
<tr>
<td></td>
<td>Presents the results of DTSC’s assessment of the petroleum industry’s source reduction review and planning effort mandated by SB 14. The report discusses the source reduction review of approximately 18 petroleum industry facilities.</td>
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<tr>
<td>530</td>
<td>Assesment of the Semiconductor Industry Source Reduction Planning</td>
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<tr>
<td></td>
<td>Efforts (1994, 85 pp.)</td>
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<td></td>
<td>Presents the results of DTSC’s assessment of the semiconductor</td>
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<td>industry’s source reduction review and planning effort as mandated</td>
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<td>under SB 14.</td>
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<tr>
<td>531</td>
<td>Assessment of 1,1,1-Trichloroethane Users Source Reduction Efforts</td>
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<tr>
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<td>More than forty different companies representing over thirty</td>
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<td>different industries submitted source reduction documents with</td>
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<td>1,1,1-trichloroethane substitution information. Thirty-five abstracts</td>
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<td>explain how these companies are making the transition to other</td>
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<td></td>
<td>cleaners. Document call-in and review conducted under authority of</td>
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<td>SB 14.</td>
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<tr>
<td>532</td>
<td>Assessment of Selected Paints and Allied Product Manufacturers</td>
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<tr>
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<td>Summarizes the results of DTSC’s assessment of the paint manufacturing</td>
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<td></td>
<td>industry’s source reduction and facility planning efforts. DTSC</td>
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<td></td>
<td>requested and reviewed Plans and Reports from 26 facilities within</td>
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<td></td>
<td>this SIC Code (2851).</td>
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<tr>
<td>533</td>
<td>Assessment of the Polymers and Resins Industry Hazardous Waste</td>
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<td></td>
<td>Source Reduction Planning Efforts (1996, 75 pp.)</td>
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<tr>
<td></td>
<td>Presents the results of DTSC’s assessment of the polymers and</td>
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<tr>
<td></td>
<td>resins industry’s source reduction review and planning effort as</td>
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<tr>
<td></td>
<td>mandated under SB 14. DTSC requested and reviewed Plans and Reports</td>
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<tr>
<td></td>
<td>from 31 facilities.</td>
</tr>
<tr>
<td>534</td>
<td>Assessment of the Metal Finishing and Plating Industry Source</td>
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<tr>
<td></td>
<td>Reduction Planning Efforts (1996, 62 pp.)</td>
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Innovative technologies are discussed in this report. Most are commercially available, yet innovative in that they are new or improved technologies that offer economic and/or environmental advantages over conventional technologies.
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<th>Doc. No.</th>
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<tbody>
<tr>
<td>542</td>
<td>Summary of Information from Senate Bill 14 Call-In’s, Selected Printers (2001, 100 pp.)</td>
</tr>
<tr>
<td></td>
<td>Contains data collected from the 1990, 1994, and 1998 Senate Bill 14 Plans and Reports. Includes quantities of major waste streams, overview of printing processes, and table and description of tested source reduction measures. Over 70 different facility case studies are outlined with cost data and contact information.</td>
</tr>
<tr>
<td></td>
<td>Presents DTSC’s fourth assessment of California’s seventeen largest refineries’ efforts to significantly reduce hazardous waste generation from 1998 through 2002. The assessment also summarizes the California refinery industry future plans to reduce hazardous waste, primarily through source reduction approaches from 2002-2006.</td>
</tr>
<tr>
<td></td>
<td>Presents DTSC’s third assessment of California’s seventeen largest refineries’ efforts toward significant reductions of their hazardous waste from 1994 through 1998.</td>
</tr>
<tr>
<td>545</td>
<td>Hazardous Waste Source Reduction Assessment of Selected Sectors of the California Chemical Industry (2004, 125 pp)</td>
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<tr>
<td></td>
<td>This document reviews the hazardous waste source reduction efforts of 22 facilities within selected chemical industry SIC Codes, which include generally non-specialty product chemical manufacturing, as well as...</td>
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<tr>
<td></td>
<td>Summarized the results of DTSC’s assessment of the semiconductor industry’s source reduction efforts based on review of selected companies’ 1998 and 2002 SB 14 source reduction documents.</td>
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**WASTE STREAM SPECIFIC INFORMATION**

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<thead>
<tr>
<th>Doc. No.</th>
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<tr>
<td></td>
<td>A laboratory manual for introductory chemistry courses incorporating procedures that produce little or no toxic waste. This is accomplished by the use of consecutive chemical reactions so that the production of one reaction is used as the starting material for the next.</td>
</tr>
<tr>
<td>607</td>
<td>Aqueous Alternatives to Solvent Cleaning (1994, 6 pp.)</td>
</tr>
<tr>
<td></td>
<td>A summary of general information on many of the aqueous alternatives available to replace solvent cleaners.</td>
</tr>
<tr>
<td>608</td>
<td>Alternatives to Chlorinated Solvents in Cleaning Applications (1994, 132 pp.)</td>
</tr>
</tbody>
</table>
|         | Discusses the chemical and process alternatives to chlorinated solvents in vapor degreasing, cold cleaning, printed circuit board defluxing and handwipe operations. The report also summarizes the air, water, and waste regulations that apply to alternatives. Detailed case studies demonstrate the issues that firms must consider when they are selecting an alternative.
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<th>Doc. No.</th>
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<tr>
<td></td>
<td>Presents a simplified approach for evaluating alternatives to chlorinated solvents in various cleaning applications. This approach is based on a detailed cross-media analysis of the alternatives in vapor degreasing, cold cleaning, wipe cleaning and printed circuit board defluxing as described in Document Number 608. Written by Dr. Katy Wolf of the Institute of Research and Technical Assistance (IRTA).</td>
<td></td>
<td>Provides a brief overview of the results of a test and demonstration project in Los Angeles, California for water-based cleaning systems in auto repair facilities. Four types of equipment were investigated including a sink-on-a-drum remote reservoir configuration, an immersion system, an enzyme unit and a spray cabinet. Four water-based cleaning formulations were tested: three were alkaline cleaners and one was an enzyme cleaner.</td>
</tr>
<tr>
<td></td>
<td>A checklist designed to approximate one that an inspector might use while examining a facility for PCB compliance. Also provides regulatory references to assist in locating further information or regulations concerning specific issues or sections of the checklist. Both federal and California state PCB regulations are discussed.</td>
<td></td>
<td>This report presents the results of the test and demonstration project summarized in Document Number 613. Information contained includes testing for technical feasibility, analysis of results, cost analysis and project findings and implications. Report also contains Material Safety Data Sheets for aqueous cleaning formulations used in the project.</td>
</tr>
<tr>
<td>611</td>
<td><strong>Parts Cleaning Alternatives in Machine Shops</strong> (1995, 16 pp.)</td>
<td>615</td>
<td><strong>Appendices to Parts Cleaning in Auto Repair Facilities: The Conversion to Water</strong> (1997, 250 pp.)</td>
</tr>
<tr>
<td></td>
<td>A guide to assist shop operators in the evaluation and adoption of alternatives to the use of 1,1,2-trichloro-1,2,2-trifluoroethane (CFC-113) and 1,1,1-trichloroethane (TCA) for parts cleaning. These two chlorinated solvents have been banned as of January 1, 1996. The report is also a primer for those interested in pollution prevention strategies for machine shops.</td>
<td></td>
<td>These appendices present the water quality data collected in the test and demonstration project summarized in Document Number 613 and reported in 614. Data printouts include listing of inorganic and organic laboratory results.</td>
</tr>
<tr>
<td>616</td>
<td><strong>Switching to Water-Based Cleaners in Repair and Maintenance Parts Cleaning</strong> (1999, 2 pp.)</td>
<td></td>
<td>This two-page brochure provides specific information on water-based cleaning systems, formulations, costs, regulatory concerns and frequently asked questions and answers related to repair and maintenance parts cleaning in auto repair shops and other maintenance parts cleaning.</td>
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<td>Doc. No.</td>
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<td></td>
<td>This document presents detailed information on water-based cleaning systems and formulations used widely in auto repair facilities as a replacement for mineral spirits cleaning systems. Document analyzes state and federal hazardous waste regulations that affect the transition from mineral spirits to water-based cleaning.</td>
<td></td>
<td>This document presents detailed information on water-based cleaning systems and formulations used widely for automotive brake cleaning as a replacement for perchloroethylene (PERC). Document analyzes state and federal hazardous waste regulations that affect the transition from PERC to water-based cleaning.</td>
</tr>
<tr>
<td>618</td>
<td>Water-Based Parts Washer Systems: Case Study Conversions (1999, 29 pp.)</td>
<td>621</td>
<td>Seven (7) Case Studies: The Conversion to Water-Based Cleaners for Automotive Brake Cleaning in Los Angeles (1999, 7 pp.) (English and Spanish)</td>
</tr>
<tr>
<td></td>
<td>This report presents the results of case studies in auto repair and industrial facilities using water-based cleaning systems and formulations. Four generic types of equipment and four water-based cleaning formulations were tested at various concentrations. The case studies contain feasibility and cost information as well as ways to optimize use of equipment and cleaners.</td>
<td></td>
<td>This collection of seven, one-page case studies presents a thumbnail sketch of water-based cleaning systems and formulations used in seven shops in the Los Angeles area. Equipment, cleaner, and disposal costs for aerosol brake versus water-based brake cleaning systems are compared. Side one in English with flip side in Spanish.</td>
</tr>
<tr>
<td>619(a)</td>
<td>Switching to Water-Based Cleaners for Automotive Brake Cleaning (1999, 2 pp.)</td>
<td>622</td>
<td>How To Select and Use Safe Janitorial Chemicals (1999, 86 pp.)</td>
</tr>
<tr>
<td></td>
<td>This two-page brochure provides specific information on water-based cleaning systems, formulations, costs, regulatory concerns and frequently asked questions related to automotive brake cleaning. (Also available in Spanish)</td>
<td></td>
<td>This comprehensive report provides information on opportunities to achieve pollution prevention by changing janitorial products with highly toxic ingredients to ones that are less hazardous. The report highlights a variety of interesting data and detailed discussion on the results derived from experiments conducted at many sites in the state of California.</td>
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<tr>
<td>619(b)</td>
<td>Cambiando Al Limpiador A Base De Agua Para La Limpieza De Frenos Automotriz (1999, 2 pp.)</td>
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<td>Doc. No.</td>
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<tr>
<td>623</td>
<td>Mercury in the Environment (2001, trifold with 6 inserts)</td>
<td>This colorful brochure gives general information on mercury and proper disposal of the following: Gauges - Manometers, Barometers and Vacuum Gauges; Mercury Switches and Relays; and Mercury Thermometers; Mercury - Containing Thermostats; Fluorescent and High-Intensity Discharge Lamps; and Mercury-Containing Thermostat Probes.</td>
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</tr>
<tr>
<td>625(a)</td>
<td>Best Environmental Practices for Fleet UPDATED Maintenance (2002, 30 pp.) (Also available in Spanish)</td>
<td>The Tool Kit contains a series of fact sheets demonstrating pollution prevention methods in the vehicle fleet maintenance industry. The fact sheets focus on typical activities in the fleet maintenance shop, and introduce alternative methods that will reduce the amount of hazardous wastes generated, reduce operational costs, and increase fleet operator's ability to comply with environmental regulations. These alternative methods include aqueous cleaning technologies for vehicle parts and brakes, antifreeze recycling, use of refillable spray bottles, oil life extension, use of reusable oil filters, bypass oil filtration, re-refined oil, dry floor cleaning methods, and oil-water separator maintenance. The fact sheets include cost comparison spreadsheets, diagrams, fleet operations case studies, and vendor resources. Video 1503(a) is a companion to the toolkit.</td>
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<tr>
<td>625(b)</td>
<td>La Caja de Herramientas De La Prevención De La Contaminación: Las Mejores Prácticas Ambientales para Mantenimiento de Flotillas Vehiculares (2002, 30 pp.)</td>
<td>La Caja de Herramienta contiene una serie de Hojas de Hechos demostrando métodos para la prevención de la contaminación en la industria del mantenimiento de flotillas de vehículos. Las Hojas de Hechos enfocan en las actividades típicas de los talleres de mantenimiento de flotillas de vehículos y introduce métodos alternativos que reduzcan la cantidad de residuos peligrosos generado, reduzca los costos de las operaciones, y aumenta la capacidad de los operadores de las flotillas a cumplir con las reglas ambientales. Estos métodos alternativos incluyen las tecnologías de limpieza acuosas para las piezas y los frenos del vehículo, el reciclaje de anticongelante, el uso de las botellas recargables del aerosol, los métodos de limpieza secos del piso, y el mantenimiento del separador del aceite-agua. La Caja de Herramienta incluye las hojas de balance de la comparación de costes, los diagramas, los estudios de caso de talleres reales, y recursos del vendedor. Hay un video que es compañero para la caja de herramienta, ve el documento número 1503(b).</td>
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</tr>
<tr>
<td>626(a)</td>
<td>Pollution Prevention Tool Kit Best Environmental Practices for Auto Repair (2001, 28 pp.) (Also available in Spanish)</td>
<td>The Tool Kit contains a series of fact sheets demonstrating pollution prevention methods in the vehicle service and repair industry. The fact sheets focus on typical activities in the vehicle repair shop, and introduce alternative methods that will reduce the amount of hazardous wastes generated, reduce operational costs, and increase shop operators’ ability to comply with environmental regulations. These alternative methods include aqueous cleaning technologies for vehicle parts and brakes, antifreeze recycling, use of refillable spray bottles, dry floor cleaning methods, and oil-water separator maintenance. The Tool Kit includes cost comparison spreadsheets, diagrams, case studies of actual shops, and vendor resources. Video 1504(a) is a companion to the toolkit.</td>
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<tr>
<td>626(b)</td>
<td><strong>La Caja de Herramientas De La Prevención De La Contaminación:</strong> <strong>Las Mejores Prácticas Ambientales para Reparación de Autos (2002, 28 pp.)</strong></td>
<td></td>
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<td></td>
<td>La Caja de Herramienta contiene una serie de Hoja de Hechos demostrando métodos para la prevención de la contaminación en la industria de reparación de autos. Las Hojas de Hechos enfo- cancer en las actividades típicas de los talleres de reparación de autos y introduce métodos alternativos que reduzca la cantidad de residuos peligrosos generado, reduzca los costos de las operaciones, y aumenta la capacidad de los operadores de las flotillas a cumplir con las reglas ambientales. Estos métodos alternativos incluyen las tecnologías de limpieza acuosas para las piezas y los frenos del vehículo, el reciclaje de anti- congelante, el uso de las botellas recargables del aerosol, los métodos de limpieza secos del piso, y el mantenimiento del separador del aceite-agua.</td>
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<td></td>
<td>La Caja de Herramienta incluye las hojas de balance de la comparación de costes, los diagramas, los estudios de caso de talleres reales, y recursos del vendedor. <strong>Hay un video que es compañero para la caja de herramienta, ve el documento numero 1504 (b).</strong></td>
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<tr>
<td>627</td>
<td><strong>Alternatives in Batch Loaded Cold Cleaning: Case Study Conversions (2001, 67 pp.)</strong></td>
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<td></td>
<td>This report presents detailed case studies of eleven industrial firms in Southern California that have converted from solvents to water-based cleaning systems in batch loaded cold cleaning operations. It also presents information on the types of water-based cleaning systems that can be used as replacements for solvents in these operations.</td>
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<td></td>
<td>This collection of eleven, one-page case studies presents a thumbnail sketch of water-based cleaning systems and formulations used in eleven industrials firms that have converted from solvent batch loaded cold cleaning. Equipment, cleaner, labor, electrical/gas, training and disposal costs for water-based cleaning systems versus solvent batch loaded cold cleaning are compared.</td>
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<tr>
<td>631</td>
<td><strong>By-Pass Oil Filters Fact Sheet (2003, 2 pp.)</strong></td>
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<td>The By-Pass Oil Filer Fact Sheet is being offered separately or in the Fleet Tool Kit. The fact sheet focuses on extending oil change intervals by filtering out particles as small as one micron or less, helping to maintain oil viscosity and additive package at proper levels. Helping to extend engine life and reducing the amount of new oil purchased are only a few of the additive bonuses by implementing by-pass oil filter.</td>
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**Appendix E Publications**

<table>
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<th>Doc. No.</th>
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<tr>
<td>633</td>
<td><strong>Re-refined Oil Fact Sheet (2003, 2 pp.) (also available in Spanish)</strong>&lt;br&gt;The Re-Refined Oil Fact Sheet is being offered separately or in the Fleet Tool Kit. The re-refined oil offers fleets a viable alternative to purchasing virgin oil. Backed by all the vehicle manufacturers, re-refined oil saves money and reduces the depletion of natural resources.</td>
</tr>
<tr>
<td>634</td>
<td><strong>Hoja de Hechos sobre Aceite Re-Refinado (2003, 2 pp.)</strong>&lt;br&gt;La Hoja de Hechos sobre Aceite Re-Refinado se está ofreciendo por separado o en la Caja de Herramientas para Flotillas. El aceite re-refinado ofrece a flotillas una alternativa viable a comprar el aceite virginal. Aceptado por todos los fabricantes del vehículo, el aceite re-refinado ahorra el dinero y reduce el agotamiento de recursos naturales.</td>
</tr>
<tr>
<td>650</td>
<td><strong>Online Automotive Repair Pollution Prevention Directory for Automotive Repair and Fleet Maintenance (updated regularly)</strong>&lt;br&gt;Provides user who is looking for pollution prevention equipment with information about suppliers, including type of equipment they carry and contact information. User can search by category, key word, or supplier. This directory is only available online.</td>
</tr>
<tr>
<td>710</td>
<td><strong>General Acceptance Criteria and Standards Guidance for the Verification of Environmental Technologies (1998, 10 pp.)</strong>&lt;br&gt;This document outlines the data quality acceptance and quality control criteria to be used in the verification of environmental technologies.</td>
</tr>
<tr>
<td>712</td>
<td><strong>Performance-based Certification of Hazardous Waste Measurement and Monitoring Technologies (1998, 49 pp.)</strong>&lt;br&gt;Protocol describes documents and performance data required for the evaluation of measurement and monitoring technologies. Such technologies are used in site characterization, environmental field testing, sampling, sample preparation methods, and analysis by instrumental, chemical and biological methods.</td>
</tr>
<tr>
<td>752</td>
<td><strong>Final Technology Evaluation Workplan ABB Inc. BIOTEMP® Vegetable Oil-Based Insulating Dielectric Fluid (2001, 29 pp.)</strong>&lt;br&gt;The final technology evaluation plan for the ABB Verification Project describes the technology, evaluation process, analytical methods, and quality assurance/quality control process. The technology is a vegetable oil-based dielectric fluid used in electrical transformers.</td>
</tr>
<tr>
<td>753</td>
<td><strong>Environmental Technology Verification Report ABB Inc. BIOTEMP® Vegetable Oil-Based Insulating Dielectric Fluid (2002, 62 pp.)</strong>&lt;br&gt;Final report for the ABB Verification Project which describes the technology, evaluation process, and testing methods used. The technology is a vegetable oil-based dielectric fluid which was verified for use in electrical transformers.</td>
</tr>
<tr>
<td>754</td>
<td><strong>Final Technology Evaluation Workplan Cooper Power Systems Envirotemp®FR3™ Vegetable Oil-Based Insulating Dielectric Fluid (2001, 29 pp.)</strong>&lt;br&gt;The final technology evaluation plan for the Cooper Verification Project describes the technology, evaluation process, analytical methods, and quality assurance/quality control process. The technology is a vegetable oil-based dielectric fluid used in electrical transformers.</td>
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</table>
The final report for the Cooper Verification Project which describes the technology, evaluation process, and testing methods used. The technology is a vegetable oil-based dielectric fluid which was verified for use in electrical transformers.

756  | Survey and Initial Evaluation of Small On-site Fluorescent Lamp Crushers On-line only (2001, 31 pp.)  
This report lists the different types of drum-top fluorescent lamp crushers, applicable regulations, potential worker health and safety issues, and recommendations regarding additional testing and operating requirements.

Technology Evaluation Workplan for the Hydromatrix 786E Ion Exchange Rinsewater Recycling System. Workplan describes the objectives of the evaluation, testing design, equipment requirements, and timetable for conducting the study. The Hydromatrix system is used to treat waste waters from metal finishing operations, resulting in a closed-loop, zero-discharge recycling system.

Final Report of the Hydromatrix Verification Project describing project design, data collection, and results of testing. The Hydromatrix system is used to treat waste waters from metal finishing operations, resulting in a closed-loop, zero-discharge recycling system.

759  | Lithium Metatungstate (LMT) Verification WorkPlan (2000, 21 pp.)  
Technology Evaluation WorkPlan for the Lithium Metatungstate (LMT) Verification Project. Workplan describes the objectives of the evaluation, testing design, equipment requirements, and timetable for conducting the study. LMT is used by the coal testing and processing industry as a replacement heavy liquid in ASTM Standard D 4371-98, the Standard Test Method for Determining the Washability Characteristics of Coal.

760  | Environmental Technology Verification Report Lithium Metatungstate (LMT) as a Replacement Heavy Liquid in ASTM Standard D 4371-98 (2003, 30 pp.)  
Final Report of the Lithium Metatungstate (LMT) Verification Project describing project design, data collection, and results of testing. LMT is used by the coal testing and processing industry as a replacement heavy liquid in ASTM Standard D 4371-98, the Standard Test Method for Determining the Washability Characteristics of Coal.
## Appendix E Publications

### ALTERNATIVE TECHNOLOGY

#### INNOVATIVE ALTERNATIVE TECHNOLOGIES

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<tr>
<th>Doc. No.</th>
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<tr>
<td></td>
<td>Describes a project involving the reconditioning and reuse of most of the waste sand.</td>
</tr>
<tr>
<td></td>
<td>This project determined that the use of Kerr McGee fly ash as an ingredient in the manufacture of Portland Cement resulted in a cement product that effectively stabilized hazardous levels of nickel and vanadium present in the ash ingredient.</td>
</tr>
<tr>
<td>1214</td>
<td><strong>Water Based Ink Wastes: Biodegradation Technology (Technology Brief)</strong> (1995, 2 pp.)</td>
</tr>
<tr>
<td></td>
<td>Describes a biologically based electro-mechanical system that uses horse manure as a source of microbes to biodegrade water-based ink wastes.</td>
</tr>
<tr>
<td>1216</td>
<td><strong>Pesticide Rinsates: Biodegradation Technology (Technology Brief)</strong> (1995, 2 pp.)</td>
</tr>
<tr>
<td></td>
<td>Describes a biologically based, electro-mechanical system that uses horse manure as a source of microbes to biodegrade pesticide rinsates.</td>
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### CD’S AND VIDEOS

<table>
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<tr>
<td>1501</td>
<td><strong>Why Waste?: Waste Minimization for Today's Businesses</strong> (1990, 28 minutes)</td>
</tr>
<tr>
<td></td>
<td>Defines waste minimization and illustrates waste minimization successes in several different types of businesses. Source reduction and recycling case studies illustrate the environmental and economic benefits of implementing a waste minimization program. Is useful for training sessions and seminars focusing on innovative ways for reducing hazardous waste. VHS</td>
</tr>
<tr>
<td>1503(a)</td>
<td><strong>Profit Through Prevention - Best Environmental Practices for Fleet Maintenance</strong> (1999, 35 minutes)</td>
</tr>
<tr>
<td></td>
<td>This video is a companion to the Tool Kit (625a), and shows how fleet operators have achieved cost savings and improved environmental compliance by implementing Best Environmental Practices. The video demonstrates step-by-step how to implement these practices and includes several fleet operators and their success stories.</td>
</tr>
<tr>
<td>1503(b)</td>
<td><strong>Ganancias por Medio de la Prevención Las Mejores Practicas Ambientales para la Mantenimiento de Flotillas Vehiculares (1999, 30 minutos)</strong></td>
</tr>
<tr>
<td></td>
<td>Este video es compañero para la Caja de Herramienta, y demuestra cómo los operadores de talleres de mantenimiento de flotillas de vehículos han alcanzado ahorros de coste y han mejorado conformidad ambiental poniendo las mejores prácticas ambientales en ejecución. El video demuestra gradualmente cómo poner estas prácticas en ejecución e incluye varios operadores de talleres de mantenimiento de flotillas de vehículos y sus historias del éxito. VHS</td>
</tr>
<tr>
<td>1504(a)</td>
<td><strong>Profit Through Prevention - Best Environmental Practices for Auto Repair</strong> (1999, 30 minutes)</td>
</tr>
<tr>
<td></td>
<td>This video is a companion to the Tool Kit (626a), and shows how automotive shop operators have achieved cost savings and improved environmental compliance by implementing Best Environmental Practices. The video demonstrates step-by-step how to implement these practices and includes several automotive shop operators and their success stories. VHS</td>
</tr>
<tr>
<td>1504(b)</td>
<td><strong>Ganancias por Medio de la Prevención – Las Mejores Prácticas Ambientales para la Reparación de Autos (1999, 30 minutos)</strong></td>
</tr>
<tr>
<td></td>
<td>Este video es compañero para la Caja de Herramienta, y demuestra cómo los operadores de talleres mecánicos han alcanzado ahorros de coste y han mejorado conformidad ambiental poniendo las mejores prácticas ambientales en ejecución. El video demuestra gradualmente cómo poner estas prácticas en ejecución e incluye varios operadores de talleres mecánicos y sus historias del éxito. VHS</td>
</tr>
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</table>
The Jewelry Maker’s Guide to Pollution Prevention and Hazardous Waste Management (2002, 30 minutes)
Video showing pollution prevention recommendations for the jewelry manufacturing industry. Highlights jewelry makers using the latest technology to improve worker safety and reduce emissions to the environment. Covers lost wax casting techniques, cyanide bombing, stripping, polishing, soldering, and chemical storage. Video is available in VHS and CD formats. Video also available in Armenian, Spanish, and Vietnamese.

Preventing Pollution at Your Auto Repair Facility Training Video (2003, 62 min.)
Pollution Prevention Vehicle Service and Repair Video Training Workbook (2003, 20 pp.)
This training video and associated workbook includes six stand-alone training sessions on pollution prevention practices that can be employed at automotive repair shops and fleet maintenance facilities. Viewers learn about aqueous parts cleaners, aqueous brake washers, refillable spray bottles, spill prevention and floor cleanup, rereefined oil and recycled antifreeze, oil life extension and oil filtration. Pollution Prevention Tool Kits (OPPTD Publication No. 625 and 626) and access to OPPTD technical service representatives are integrated into the training. The training may be used as-is or personalized to meet the needs of any public or private entity adopting the program.

CD California Mercury (Hg) Elimination Leadership Program
A CD containing tools to guide hospitals in performing their own mercury audit. Hospitals who become mercury-free will receive recognition from DTSC. Other related pollution prevention materials for hospitals are included in the CD.

Zero Water Discharge in the Metal Plating Industry Using an Improved Ion Exchange Process (1996, 6 pp.)
Monsanto: The Synergy Between Total Quality and Pollution Prevention (1996, 8 pp.)
Source reduction measures implemented at a catalyst manufacturing facility.

For further information, visit these websites:

Cal/EPA: http://www.calepa.ca.gov/
DTSC: http://www.dtsc.ca.gov/
OPPGT: http://www.dtsc.ca.gov/PollutionPrevention/index.cfm
Appendix E Publications

**ORDER FORM**

Print your order form clearly. Mail your order form to:

Department of Toxic Substances Control
Office of Pollution Prevention and Green Technology, Technology Clearinghouse Unit, Floor 12-1
P.O. Box 806
Sacramento, CA 95812-0806

Orders may be faxed to (916) 327-4494. If you have any questions, please contact us at 1-800-700-5854 or (916) 322-3670. There are no copyright restrictions; therefore, these publications may be reproduced at your own expense. Please allow 2-3 weeks to process all publication orders.

Please check your organization:

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<td>Consulting Firm</td>
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<td>University</td>
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<td>Waste Management Industry</td>
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Appendix F CUPAs and Other Agencies (CUPAs, Designated Agencies, and Participating Agencies)

The following list of agencies were taken from the Cal-CUPA Forum site at http://www.calcupa.net/cupacontactlist.xls

<table>
<thead>
<tr>
<th>Alameda County</th>
<th>Amador County</th>
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</thead>
<tbody>
<tr>
<td><strong>Environmental Health Department</strong></td>
<td><strong>Environmental Health Department</strong></td>
</tr>
<tr>
<td>1131 Harbor Bay Parkway</td>
<td>810 Court Street</td>
</tr>
<tr>
<td>Alameda, CA 94502-6577</td>
<td>Jackson, CA 95642</td>
</tr>
<tr>
<td>Phone: (510) 567-6700</td>
<td>Phone: (209) 223-6439</td>
</tr>
<tr>
<td>Fax: (510) 337-9335</td>
<td>Fax: (209) 223-6228</td>
</tr>
<tr>
<td>Ms. Susan Hugo, Supervising Hazardous Materials Specialist</td>
<td>E-mail: <a href="mailto:ACEH@co.amador.ca.us">ACEH@co.amador.ca.us</a></td>
</tr>
<tr>
<td>Phone: (510) 567-6780</td>
<td>Mr. Bob Fourt, Cupa Manager</td>
</tr>
<tr>
<td>E-mail: <a href="mailto:Susan.hugo@acgov.org">Susan.hugo@acgov.org</a></td>
<td>E-mail: <a href="mailto:bfourt@amadorgov.ort">bfourt@amadorgov.ort</a></td>
</tr>
</tbody>
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<table>
<thead>
<tr>
<th>Alhambra Fire Department</th>
<th>Anaheim Fire Department</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Hazardous Materials Division</strong></td>
<td>Hazardous Materials Division</td>
</tr>
<tr>
<td>301 N. First Street</td>
<td>201 So Anaheim Blvd #300</td>
</tr>
<tr>
<td>Alhambra, CA 91801</td>
<td>Anaheim, CA 92805</td>
</tr>
<tr>
<td>Phone: (626) 570-5190</td>
<td>Phone: (714) 765-4000</td>
</tr>
<tr>
<td>Mr. Raymond Mosack, AssistantChief/Fire Marshal</td>
<td>E-mail: <a href="mailto:hms@anaheim.net">hms@anaheim.net</a></td>
</tr>
<tr>
<td>Phone: (626) 570-5192</td>
<td>Mr. John White, Deputy Fire Marshal</td>
</tr>
<tr>
<td>Fax: (626) 457-8961</td>
<td>Phone: (714) 765-4055</td>
</tr>
<tr>
<td>E-mail: <a href="mailto:rmosack@alhambrafire.org">rmosack@alhambrafire.org</a></td>
<td>Fax: (714) 765-4608</td>
</tr>
<tr>
<td>E-mail: <a href="mailto:JoWhite@anaheim.net">JoWhite@anaheim.net</a></td>
<td></td>
</tr>
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<table>
<thead>
<tr>
<th>Alpine County</th>
<th>Bakersfield City Fire Department</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Health Department</strong></td>
<td><strong>Fire Prevention Services Division</strong></td>
</tr>
<tr>
<td>75-B Diamond Valley Road</td>
<td>2101 H Street</td>
</tr>
<tr>
<td>Markleeville, CA 96120</td>
<td>Bakersfield, CA 93301</td>
</tr>
<tr>
<td>Phone: (530) 694-3146</td>
<td>Phone: (661) 326-3979</td>
</tr>
<tr>
<td>Fax: (530) 694-2770</td>
<td>Fax: (661) 852-2171</td>
</tr>
<tr>
<td>Mr. Dennis Lampson, CUPA Manager</td>
<td>Mr. Howard Wines, Director of Prevention Services</td>
</tr>
<tr>
<td>E-mail: <a href="mailto:dlampson@alpinecountyca.gov">dlampson@alpinecountyca.gov</a></td>
<td>E-mail: <a href="mailto:Hwines@bakersfieldfire.us">Hwines@bakersfieldfire.us</a></td>
</tr>
</tbody>
</table>

**Participating Agency**
Appendix F CUPAs and Other Agencies

Banning Fire Department**
3900 West Wilson Street
Banning, CA 92220
Phone: (951) 922-3210
Fax: (909) 922-0318
E-mail: FD@ci.banning.ca.us
Mr. Doug Clarke,
Assistant Fire Marshal, Banning Fire Services
Phone: (951) 922-3211
E-mail: dclarke@ci.banning.ca.us

Berkeley
Planning & Development Department
Toxics Management Division
2118 Milvia Street, Suite 300
Berkeley, CA 94704
Phone: (510) 981-7460
Fax: (510) 981-7470
E-mail: toxics@cityofberkeley.info
Mr. Nabil Al-Hadithy,
Hazardous Materials Manager

Burbank Fire Department**
Fire Prevention Bureau
311 E Orange Grove Avenue
Burbank, CA 91502
Phone: (818) 238-3473
Fax: (818) 238-3479
Email: burbankfire@ci.burbank.ca.us
Jorge L. Martinez,
Deputy Fire Marshal
Phone: (818) 238-3384
E-mail: JMartinez@ci.burbank.ca.us

Butte County
Public Health Department
Environmental Health Division
202 Mira Loma Drive
Oroville, CA 95965
Phone: (530) 538-7581
Fax: (530) 538-5339
Mr. Michael Huerta,
Program Manager CUPA/LEA
Phone: (530) 538-5328
E-mail: mhuerta@buttecounty.net

Calaveras County
Environmental Management Agency
Environmental Health Department
Government Center
891 Mountain Road
San Andreas, CA 95249
Phone: (209) 754-6399
Fax: (209) 754-6722
E-mail: EHD@co.calaveras.ca.us
Jason Boetzer, REHS, Department Manager
Phone: (209) 754-6744
E-mail: jboetzer@co.calaveras.ca.us

Colusa County
Health and Human Services Department
Environmental Health Program
124 East Market Street
Colusa, CA 95932
Phone: (530) 458-0395
Fax: (530) 458-0204
Mr Craig Erickson, REHS,
Director of Environmental Health
Phone: (530) 458-0396
E-mail: cerickon@colusadhhs.org

Compton City Fire Department**
Hazardous Materials Program
201 S. Acacia Avenue
Compton, CA 90220
Phone: (310) 605-5670
Ms. Sheila Hopper, Fire Prevention Inspector
Phone: (310) 605-6994
Fax: (310) 632-8414

Contra Costa County
Health Services Department
4585 Pacheco Blvd
Suite 100
Martinez, CA 94553-2295
Phone: (925) 335-3200
Fax: (925) 646-2073
Mr. Randall L. Sawyer,
Hazardous Materials Programs Director
Phone: (925) 335-3210
E-mail: rsawyere@hsd.co.contra-costa.ca.us

** Participating Agency
Appendix F CUPAs and Other Agencies

**Corona Fire Department**
400 S. Vicentia Avenue
Corona, CA 92882
Phone: (951) 736-2220
Fax: (951) 736-2497
Mr Mike Gutierrez, Fire Marshal
Mike.Gutierrez@ci.corona.ca.us

**Costa Mesa Fire Department**
Fire Prevention Bureau
2803 Royal Palm Drive
Costa Mesa, CA 92626
Phone: (714) 327-7402
Fax: (714) 327-7408
Ms. Michelle Rudaitis,
Hazardous Material Specialist
E-mail: MRudaitis@ci.costa-mesa.ca.us

**Culver City Fire Department**
Fire Prevention Division
9770 Culver Blvd
Culver City, CA 90232
Phone: (310) 253-5930
Fax: (310) 253-5937
Mr. Broc Harmon,
Fire Prevention Specialist
E-mail: broc.harmon@culvercity.org

**Del Norte County**
Community Development Department
Environmental Health Division
981 H Street, Suite 110
Crescent City, CA 95531
Phone: (707) 465-0426
Fax: (707) 465-0340
E-mail: health@co.del-norte.ca.us
Mr. Brian McNally, REHS
Director of Environmental Health
E-mail: bmcnally@co.del-norte.ca.us

**Downey Fire Department**
Fire Prevention Division
11111 Brookshire Avenue
Downey, CA 90241
Phone: (562) 904-7348
Fax: (562) 869-3994
Mr. Lee Kirby,
Hazardous Materials Specialist
E-mail: lkirby@downeyca.org

**El Dorado County**
Environmental Management Department
2850 Fairlane Court, Bldg C
Placerville, CA 95667
Phone: (530) 621-5300
Mr. Dave Johnston,
Supervising Hazardous Materials Specialist
Phone: (530) 621-5896
Fax: (530) 295-2747
E-mail: dave.johnston@edcgov.us

**El Segundo Fire Department**
Environmental Safety Division
314 Main Street
El Segundo, CA 90245
Mr. Steve Tsumura,
Environmental Safety Manager
Phone: (310) 524-2242
Cell: (310) 345-0395
Fax: (310) 414-0929
E-mail: stsumura@elsegundo.org

**Fountain Valley Fire Department**
Fire Prevention Bureau
10200 Slater Avenue
Fountain Valley, CA 92708
Ms. Adria Paesani, Deputy Fire Marshal
Phone: (714) 593-4430
Fax: (714) 593-4508
E-mail: adria.paesani@fountainvalley.org

* * Participating Agency
Appendix F  CUPAs and Other Agencies

**Fremont City Fire Department**
Fire Prevention Division
3300 Capital Ave., Bldg. A
Fremont, CA 94537-5006
Phone: (510) 494-4279
E-mail: fremontfire@ci.fremont.ca.us
Mr. Jay Swardenski, Fire Marshal
Phone: (510) 494-4222
Fax: (510) 494-4814
E-mail: jwardenski@ci.fremont.ca.us

**Fresno County Public Health Department**
Environmental Health Division
1221 Fulton Mall, Third Floor
P.O. Box 11867
Fresno, CA 93775-1867
Phone: (559) 445-3357
Fax: (559) 445-3299
Mr. Tim Casagrande,
Director of Environmental Health
Fresno County Department of Public Health
Manager, Office of Emergency Services
Phone: (559) 445-3391
E-mail: tcasagrande@co.fresno.ca.us

**Fullerton City Fire Department**
Fire Prevention Division
312 East Commonwealth
Fullerton, CA 92632
Phone: (714) 738-3119
Fax: (714) 738-3392
Ms. Julie Kunze,
Division Chief/ Fire Marshall
Phone: (714) 738-6511
E-mail: jkunze@fullertonfire.org

**Garden Grove Fire Department**
11301 Acacia Parkway
Garden Grove, CA 92840
Phone: (714) 741-5636
Fax: (714) 741-5640
Mr. Jeff Guyer Captain,
Hazmat Coordinator
E-mail: jefferygr@ci.garden-grove.ca.us

**Gilroy City Fire Department**
7351 Rosanna Street
Gilroy, CA 95020-6141
Phone: (408) 846-0400
Fax: (408) 848-0500
E-mail: gilroyfire@ci.gilroy.ca.us
Ms. Jackie Bretschneider, Fire Marshal
Phone: (408) 846-0439
Fax: (408) 848-0429
E-mail: jacqueline.bretschneider@ci.gilroy.ca.us

**Glendale City Fire Department**
Fire Prevention Division
780 Flower Street
Glendale, CA 92101
Phone: (818) 548-4810
Mr. Vasken Demirjian,
Environmental Management Coordinator
Phone: (818) 548-3898
Fax: (818) 549-9777
E-mail: vdemirjian@ci.glendale.ca.us

**Glenn County**
Air Pollution Control District
720 North Colusa Street
Willows, CA 95988
Phone: (530) 934-6500
Fax: (530) 934-6503
E-mail: APCD@countyofglenn.net
Mr. Mark Black, Agriculture Commissioner
E-mail: mblack@countyofglenn.net

**Hayward City Fire Department**
777 B Street
Hayward, CA 94541
Phone: (510) 583-4924
Fax: (510) 583-3641
Mr. Hugh Murphy,
Hazardous Materials Program Manager
E-mail: hugh.murphy@hayward.ca.gov
E-mail: mlinyoehs@qnet.com

**Participating Agency**
Hearldsburg/Sebastopol JPA  
601 Healdsburg Avenue  
Healdsburg, CA 95448  
Ms. Linda Collister, Fire Marshal  
Hazardous Materials Program Manager  
Phone: (707) 431-3125  
Fax: (707) 431-3146  
E-mail: lcollister@ci.healdsburg.ca.us

Humboldt County  
Health & Human Services Department  
Environmental Health Division  
100 H Street Suite 100  
Eureka, CA 95501  
Phone: (707) 445-6215  
Fax: (707) 441-5699  
Mr. Larry Lancaster, REHS, Supervising Environmental Health Specialist, HazMat Unit  
Phone: (707) 268-2212  
E-mail: llancaster@co.humboldt.ca.us

Huntington Beach Fire Department*  
Fire Prevention Division  
2000 Main Street  
Huntington Beach, CA 92648  
Phone: (714) 536-5469  
Fax: (714) 374-1551  
Mr. David Smythe, Hazardous Materials Specialist Program Manager  
E-mail: dsmythe@surfcity-hb.org

Imperial CUPA DTSC  
627 Wake Avenue  
El Centro, CA 92243  
Phone: (760) 352-0381  
Fax: (760) 352-1641  
Mr. Roger Vintze, CUPA Manager  
Phone: (760) 339-2777  
Phone: (760) 457-7363 (Mobile)  
Email: RVintze@dtsc.ca.gov

Inyo County  
Environmental Health Services Department  
PO Box 427  
Independence, CA 93526  
Phone: (760) 878-0238  
Fax: (760) 878-0239  
Mr. Mark Long, CUPA Program Manager  
Phone: (760) 878-0361  
Email: mlong@inyocounty.us

Kern County  
Public Health Department  
Environmental Health Service Division  
2700 M St Suite 300  
Bakersfield, CA 93301  
Phone: (661) 862-8700  
Fax: (661) 862-8701  
Mr. Brian Pitts, Chief Environmental Health Specialist (CUPA & LEA)  
Phone: (661) 862-8704  
Email: brianp@co.kern.ca.us

Kings County  
Public Health Department  
Environmental Services Division  
330 Campus Drive  
Hanford, CA 93230  
Phone: (559) 584-1411  
Fax: (559) 584-6040  
Mr. Jeff Taber  
Interim Director  
E-mail: jeff.taber@co.kings.ca.us

Lake County  
Environmental Health Department  
922 Bevins Court  
Lakeport, CA 95453  
Phone: (707) 263-1164  
Fax: (707) 263-1681  
E-mail: lavoned@co.lake.ca.us  
Mr. Raymond Ruminiski, Director of Environmental Health  
E-mail: rayr@co.lake.ca.us

* = Participating Agency

Appendix F CUPAs and Other Agencies
Lassen County
Environmental Health Department
1445 B Paul Bunyan Road
Susanville, CA 96130
Phone: (530) 251-8183
Fax: (530) 251-4871
E-mail: coadmin@co.lassen.ca.us
Mr. Alan Jones, Director
Phone: (530) 251-8528
Fax: (530) 251-2668
E-mail: ajones@co.lassen.ca.us

Livermore-Pleasanton
City Fire Department
Fire Prevention Division
3560 Nevada St.
Pleasanton, CA 94566
Ms. Danielle Stefani,
Hazardous Materials Program Coordinator
Phone: (925) 454-2338
Fax: (925) 454-2367
E-mail: dstefani@lpfire.org

Long Beach City
Health and Human Services Department
Bureau of Environmental Health
CUPA Division
2525 Grand Avenue, Room 220
Long Beach, CA 90815
Phone: (562) 570-4131
Fax: (530) 570-4038
Mr. Nelson Kerr,
Acting Director Environmental Health Hazardous Waste Operation Officer
Phone: (562) 570-41700
E-mail: nelson.kerr@longbeach.gov

Los Angeles County Agricultural Commissioner
Weights and Measures Department
12300 Lower Azusa Road
Arcadia, CA 91006-5872
Phone: (626) 575-5466
Fax: (626) 443-6652
Mary Anne Nolan,
Agricultural Inspector III
Phone: (626) 459-8894
E-mail: mnolan@acwm.lacounty.gov

Livermore-Pleasanton
City Fire Department
Health Hazard Materials Division
5825 Rickenbacker Road
Commerce, CA 90040
Phone: (323) 890-4045
Fax: (323) 838-4046
Mr. Bill Jones, Chief
Phone: (323) 890-4042
Fax: (323) 838-4412
E-mail: BJones@fire.lacounty.gov

Long Beach City
Health and Human Services Department
Public Works Department
900 South Fremont Avenue
Alhambra, CA 91803
Phone: (626) 458-3511
Fax: (626) 458-3569
Mr. Tim Smith,
Senior Civil Engineer
E-mail: Tsmith@ladpw.org

Los Angeles City Fire Department
Fire Prevention and Public Safety Bureau
200 N. Main St., Suite 1780
Los Angeles, CA 90012
Mr. Eloy Luna, Interim CUPA Manager
Phone: (213) 978-3684
Fax: (213) 978-3615
E-mail: eloy.luna@lacity.org

Los Angeles County
Public Works Department
* *
2037 W. Cleveland Ave. MS-E
Madera, California 93637-8720
Fax: (559) 675-7919
Ms. Ann Rolan,
CUPA Program Manager
Phone: (559) 675-7823 ext 3401
E-mail: arolan@madera-county.com

Madera County
Environmental Health Department
2037 W. Cleveland Ave. MS-E
Madera, California 93637-8720
Fax: (559) 675-7919
Ms. Ann Rolan,
CUPA Program Manager
Phone: (559) 675-7823 ext 3401
E-mail: arolan@madera-county.com

** Participating Agency
Marin County Public Works Department  
Waste Management Division  
65 Mitchell Blvd., Suite 200B  
San Rafael, CA 94913  
Phone: (415) 499-6647  
Fax: (415) 446-7373  
Mr. Michael Frost,  
Deputy Director  
Phone: (415) 499-3725  
E-mail: mfrost@co.marin.ca.us

Mariposa County Health Department  
Environmental Health Division  
5100 Bullion Street  
Mariposa, CA 95338  
Phone: (209) 966-2220  
Fax: (209) 966-8248  
Mr. David Conway, REHS  
Director, Environmental Health Division  
E-mail: dconway@mariposacounty.org

Mendocino County  
Health and Human Services Agency  
Community Health Services Branch  
Environmental Health Division  
501 Low Gap Rd.  
Ukiah, CA 95482  
Phone: (707) 463-4466  
Fax: (707) 463-4038  
Mr. John Morley,  
Environmental Health Director  
Phone: (707) 463-4140  
E-mail: morleyj@co.mendocino.ca.us

Merced County Public Health Department  
Division of Environmental Health  
260 E. 15th Street  
Merced, CA 95341  
Phone: (209) 381-1100  
Fax: (209) 384-1593  
Mr. William Peeler; MA, R.E.H.S., R.E.A.  
Acting Director of Environmental Health Division  
Phone: (209) 381-1086  
E-mail: wpeeler@co.merced.ca.us

Milpitas City Fire Department  
Fire Prevention Division  
455 East Calaveras Boulevard  
Milpitas, CA 95035  
Fax: (408) 586-3378  
Albert C. Zamora, PE,  
Division Chief, Fire Marshal  
Phone: (408) 586-3371  
E-mail: azamora@ci.milpitas.ca.gov

Modoc County Health Service Agency  
Environmental Health Department  
202 West Fourth Street  
Alturas, CA 96101  
Mr. Warren Farnum,  
Environmental Health Director  
Phone: (530) 233-6310  
Fax: (530) 233-6342  
E-mail: enviro@frontiernet.net

Mono County  
Health and Human Service Agency  
Environmental Health Department  
Main Address  
437 Old Mammoth Road #Q  
P.O. Box 3329  
Mammoth Lake, CA 93546  
Phone: (760) 924-1830  
Fax: (760) 924-1831  
Alternate address:  
1000 Twin Lakes Road  
P.O. Box 476  
Bridgeport, CA 93517  
Phone: (760) 932-5580  
Fax: (760) 932-5284  
Mr. Louis Molina,  
Environmental Health Director  
Phone: (760) 924-1845  
Fax: (760) 924-1831  
Email: lmolina@mono.ca.gov  
Ms. Diana Shinn,  
CUPA Program Coordinator  
Phone: (760) 924-1847  
Fax: (760) 924-1831  
Email: dshinn@mono.ca.gov
Appendix F  CUPAs and Other Agencies

Monrovia Fire Department* *
141 East Lemon Avenue
Monrovia, CA 91016
Phone: (626) 256-8110
Fax: (626) 256-8812
Mr. Scott Haberle,
Deputy Fire Chief
Phone: (626) 256-8106
Cell No: (626) 705-4095
E-mail: shaberle@ci.monrovia.ca.us

Monterey County Health Department
Division of Environmental Health
1270 Natividad Road
Salinas, CA 93906
Phone: (831) 755-4511
Fax: (831) 755-8954
Bruce Welden, Supervisor,
Hazardous Materials Management Services
Phone: (831) 755-4680
E-mail: weldenb@co.monterey.ca.us

Mountain View Fire Department**
500 Castro Street, City Hall-4th floor.
Mountain View, CA 94041
Mr. Jaymae Wentker,
Fire Marshal
Phone: (650) 903-6821
Fax: (650) 962-1430
E-mail: jaymae.wentker@mountainview.gov

Napa County
Environmental Management Department
1195 Third St, Suite 101.
Napa, CA 94559
Phone: (707) 253-4471
Fax: (707) 299-4239
Mr. Doug Calhoun MS. REHS
Environmental Health Supervisor
E-mail: doug.calhoun@countyofnapa.org

Nevada County
Environmental Health Department
950 Maidu Avenue
Nevada City, CA 95959
Phone: (530) 265-7880
Fax: (530) 265-9853
Mr. David Huff, Environmental Scientist III
Phone: (530) 265-1767
E-mail: david.huff@co.neveda.ca.us

Newport Beach Fire Department**
Fire Prevention Division
3300 Newport Boulevard
Newport Beach, CA 92659
Fax: (949) 644-3120
Ms. Jenny Sudo,
Department Assistant-Fire Prevention
Phone: (949) 644-3361
E-mail: jsudo@nbfd.net
Nadine Morris, Fire Inspector
Phone: (949) 644-3106
E-mail: nmorris@nbfd.net
Ron Gamble, Fire Marshal/Division
Phone: (949) 644-3106
Email: rgamble@nbfd.net

Oakland City Fire Department
Fire Prevention Bureau
Hazardous Materials Program
250 Frank Ogawa Plaza
Oakland, CA 94612
Mr. Leroy Griffin, Assistant Fire Marshal
Phone: (510) 238-7759
Fax: (510) 238-6739
E-mail: lgriffin@oaklandnet.com

Orange City Fire Department**
Fire Prevention Division
176 South Grand Street
Orange, CA 95866
Phone: (714) 288-2541
Fax: (714) 997-3281
Ms. Rena Davis, Hazardous Material Specialsit
Phone: (714) 288-2573
E-mail: rdavis@cityoforange.org

** Participating Agency
Orange County Health Care Agency  
Environmental Health Division  
1241 E. Dyer Road, Suite 120  
Santa Ana, CA 92705  
Phone: (714) 433-6010  
Fax: (714) 754-1768  
Mr. Royce Long,  
Supervising Hazardous Waste Specialist  
Phone: (714) 433-6240  
E-mail: RLong@ochca.com  

Orange County Fire Authority**  
Fire Prevention Department  
1 Fire Authority Road.  
Irvine, CA 92602  
Phone: (714) 573-6252  
Fax: (714) 368-8836  
Mr. Robert Distaso, PE  
Fire Safety Engineer  
Phone: (714) 573-6253  
E-mail: robertdistaso@ocfa.org  

Palo Alto City Fire Department**  
250 Hamilton Avenue  
Palo Alto, CA 94301  
Phone: (650) 329-2184  
Fax: (650) 327-6951  
Mr Gordon Simpkinson,  
Acting Fire Marshal  
E-mail: Gordon.Simpkinson@cityofpaloalto.org  

Palo Alto City Fire Department**  
Fire Prevention Division  
199 South Los Robles Avenue, Suite 550  
Pasadena, CA 91101  
Phone: (626) 744-4288  
Fax: (626) 585-9164  
Mr James Weckerle,  
Hazardous Materials Specialist  
E-mail: jweckerle@ci.pasadena.ca.us  

Petaluma City Fire Department  
11 English Street  
Petaluma, CA 94952-2610  
Phone: (707) 778-4389  
Fax: (707) 776-3642  
Mr. Cary Fergus,  
Interim Fire Marshal  
E-mail: cfergus@ci.petaluma.ca.us  

Placer County  
Health and Human Services Department  
Environmental Health Division  
3091 County Center Drive, Suite 180  
Auburn, CA 95603  
Phone: (530) 745-2300  
Fax: (530) 745-2370  
Ms. Jill Pahl,  
Director  
Phone: (530) 745-2341  
Email: jpahl@placer.ca.gov
Appendix F  CUPAs and Other Agencies

Plumas County
Environmental Health Department
270 County Hospital Rd, Suite 127
Quincy, CA 95971-9126
Mr. Jerry Sipe, Director
Phone: (530) 283-6355
Fax: (530) 283-6241
E-mail: quincyenv@countyofplumas.com

Redondo Beach Fire Department**
401 South Broadway
Redondo Beach, CA 90277
Mr Rick Kuciomba, Haz-Mat Investigator
Phone No (310) 318-0663 Ext 4395
Fax : (310) 376-3407
Email richard.kuciomba@redondo.org

Riverside City Fire Department**
Fire Prevention Division
3900 Main Street, 3rd Floor
Riverside, CA 92522
Michael Esparza, Fire Marshal
Phone: (951) 826-5737
Fax: (951) 826-2539
Email: mesparza@riversideca.gov
Kim Sabatello. Account Clerk II
Phone: (951) 826-5960
Fax: (951) 826-2539
Email: ksabatello@riversideca.gov

Riverside County
Environmental Health Department
Mr. Jim Ray, Program Chief
4065 County Circle Drive, RM 104
Riverside, CA 92503
Phone: (951) 358-5055
Fax: (951) 358-5017
E-mail: jray@co.riverside.ca.us

Roseville Fire Department
Fire Prevention Division
401 Oak Street #402
Roseville, CA 95678
Fax: (916) 774-5810
Mr. Steve Anderson, Life Safety / Haz Mat Officer
Phone: (916) 774-5821
E-mail: sanderson@roseville.ca.us

Sacramento County
Environmental Management Department
Environmental Compliance Division
10590 Armstrong Avenue
Mather, CA 95655
Phone: (916) 875-8550
Ms. Elise Rothschild, Acting Chief, Environmental Compliance Division
Phone: (916) 875-8473
Fax: (916) 875-8513
E-mail: RothschildE@saccounty.net

San Benito County
Health & Human Services Agency
Environmental Health Division
1111 San Felipe Rd, Suite 102
Hollister, CA 95023
Phone: (831) 636-4035
Fax: (831) 636-4037
Mr. Robert Shingai,
Environmental Health Manager
E-mail: bobs@sanbenitoco.org

San Bernardino County Fire Department
Hazardous Materials Division
620 South "E" Street
San Bernardino, CA 92415-0153
Phone: (909) 386-8401
Fax: (909) 386-8460
Mr. Doug Snyder,
Deputy Fire Marshal
Phone: (909) 386-8418
E-mail: dsnyder@sbcfire.org

San Bernardino County Fire Department
620 South "E" Street
San Bernardino, CA 92415-0153
Phone: (909) 386-8401
Fax: (909) 386-8460
Ms. Kristen Riegel,
Hazardous Material Specialist
Phone: (909) 386-8463
E-mail: kriegel@sbcfire.org

** Participating Agency
San Diego County
Environmental Health Department
Hazardous Materials Division
1255 Imperial Avenue, 3rd Floor
San Diego, CA 92101-7441
PO Box 129261 (mail)
San Diego, CA 92112-9261
Phone: (619) 338-2231
Fax: (619) 338-2377
Mr. Michael Vizzier,
Chief, Hazardous Materials Division
Phone: (619) 338-2395
Fax: (619) 338-2139
E-mail Michael.vizzier@sdcounty.ca.gov
Ms Susan Hahn,
Pollution Prevention/Training Coordinator
Phone: (619) 338-2324
Fax: (619) 338-2335
E-mail susan.hahn@sdcounty.ca.gov

San Francisco City & County
Public Health Department
Environmental Health Section
1390 Market St. #210
San Francisco, CA 94102
Phone: (415) 252-3900
Fax: (415) 252-3910
Ms. Sue Cone,
Program Manager
Phone: (415) 252-3991
E-mail: sue_cone@sfdph.org

San Joaquin County
Environmental Health Department
600 East Main Street
Stockton CA 95202
Phone: (209) 468-3420
Fax: (209) 468-0138
E-mail: dbrownfield@sjcehd.com
Ms. Donna Heran, Director
E-mail: dheran@sjcehd.com
Ms. Kasey Foley,
CUPA Program Coordinator
Phone: (209) 468-3451
Fax: (209) 468-3433
E-mail: kfoley@sjcehd.com

San Leandro City
Public Works Department
Environmental Services Section
835 E. 14th Street
San Leandro CA 94577
Phone: (510) 577-3401
Fax (510) 577-6019
Mr. John Camp,
Environmental Services Supervisor
Phone: (510) 577-6029
E-mail: Jcamp@ci.san-leandro.ca.us

San Jose City Fire Department
200 East Santa Clara Street,
Second Floor Tower
San Jose, CA 95113
Phone: (408) 535-7694
Fax (408) 292-6067
Mr. Michael Murtiff, PE
Hazardous Materials Program Manager
E-mail: Michael.Murtiff@sanjoseca.gov

San Luis Obispo City Fire Department
2160 Santa Barbara Avenue
San Luis Obispo, CA 93401
Phone: (805) 781-7380
Fax (805) 543-8019
Mr. Kerry Boyle,
Hazardous Materials Coordinator
E-mail: kboyle@ci.san-luis-obispo.ca.us

San Luis Obispo County
Public Health Department
Environmental Health Services Division
2156 Sierra Way
P.O. Box 1489 (mail)
San Luis Obispo, CA 93401
Phone (805) 781-5544
Fax (805) 781-4211
Mr. Aaron LaBarre,
Supervising Environmental Health Specialist
E-mail: alabarre@co.slo.ca.us

* * Participating Agency
<table>
<thead>
<tr>
<th>Agency</th>
<th>Address</th>
<th>Phone</th>
<th>Fax</th>
<th>Email</th>
</tr>
</thead>
<tbody>
<tr>
<td>San Mateo County Health System Department</td>
<td>Environmental Health Division</td>
<td>(650) 372-6200</td>
<td>(650) 363-8244</td>
<td><a href="mailto:wlent@co.sanmateo.ca.us">wlent@co.sanmateo.ca.us</a></td>
</tr>
<tr>
<td>2000 Alameda de las Pulgas Suite 100</td>
<td>San Mateo, CA 94403</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mr. Bill Lent, Environmental Health Manager</td>
<td>Phone: (650) 372-6266</td>
<td></td>
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</tr>
<tr>
<td>San Mateo County Health System Department</td>
<td>Environmental Health Division</td>
<td>(650) 372-6200</td>
<td>(650) 363-8244</td>
<td><a href="mailto:wlent@co.sanmateo.ca.us">wlent@co.sanmateo.ca.us</a></td>
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<tr>
<td>2000 Alameda de las Pulgas Suite 100</td>
<td>San Mateo, CA 94403</td>
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<tr>
<td>Mr. Bill Lent, Environmental Health Manager</td>
<td>Phone: (650) 372-6266</td>
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<tr>
<td>Santa Ana Fire Department**</td>
<td>1439 South Broadway</td>
<td>(714) 647-5707</td>
<td>(714) 647-5779</td>
<td><a href="mailto:cciraulo@santa-ana.org">cciraulo@santa-ana.org</a></td>
</tr>
<tr>
<td>Santa Ana, CA 92707</td>
<td>Phone: (714) 647-5707</td>
<td></td>
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</tr>
<tr>
<td>Mr. Chris Ciraulo, Hazardous Materials Inspector/Disclosure</td>
<td>Phone: (714) 647-5750</td>
<td></td>
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</tr>
<tr>
<td>1439 South Broadway</td>
<td>Phone: (714) 647-5707</td>
<td></td>
<td></td>
<td><a href="mailto:cciraulo@santa-ana.org">cciraulo@santa-ana.org</a></td>
</tr>
<tr>
<td>Santa Barbara County Fire Department</td>
<td>4410 Cathedral Oaks Rd</td>
<td>(805) 681-5500</td>
<td>(805) 681-5563</td>
<td><a href="mailto:richard.todd@sbcfire.com">richard.todd@sbcfire.com</a></td>
</tr>
<tr>
<td>Santa Barbara, CA 93110</td>
<td>Phone: (805) 681-5500</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Mr. Richard Todd, Division Chief/Fire Marshal</td>
<td>Phone: (805) 681-5554</td>
<td></td>
<td></td>
<td><a href="mailto:richtodd@sbcfire.com">richtodd@sbcfire.com</a></td>
</tr>
<tr>
<td>4410 Cathedral Oaks Rd</td>
<td>Phone: (805) 681-5500</td>
<td></td>
<td></td>
<td><a href="mailto:richard.todd@sbcfire.com">richard.todd@sbcfire.com</a></td>
</tr>
<tr>
<td>Santa Clara City Fire Department</td>
<td>1675 Lincoln Street</td>
<td>(408) 615-4961</td>
<td>(408) 241-3006</td>
<td><a href="mailto:dparker@santaclaraca.us">dparker@santaclaraca.us</a></td>
</tr>
<tr>
<td>Santa Clara, CA 95050-4653</td>
<td>Phone: (408) 615-4961</td>
<td></td>
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</tr>
<tr>
<td>Mr. David Parker, Hazardous Materials Administrator</td>
<td>Fax (408) 241-3006</td>
<td></td>
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</tr>
<tr>
<td>Santa Cruz County Environmental Health Services Department</td>
<td>701 Ocean Blvd., Suite 312</td>
<td>(831) 454-2022</td>
<td>(831) 454-3128</td>
<td><a href="mailto:EnvHlth@co.santa-cruz.ca.us">EnvHlth@co.santa-cruz.ca.us</a></td>
</tr>
<tr>
<td>Santa Cruz, CA 95060</td>
<td>Phone: (831) 454-2022</td>
<td></td>
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<tr>
<td>Mr. Tim Fillmore, Hazardous Materials Program Manager</td>
<td>Phone: (831) 454-2761</td>
<td></td>
<td></td>
<td><a href="mailto:tim.fillmore@co.santa-cruz.ca.us">tim.fillmore@co.santa-cruz.ca.us</a></td>
</tr>
<tr>
<td>Santa Fe Springs Fire-Rescue Department</td>
<td>11300 Greenstone Ave</td>
<td>(562) 944-9713</td>
<td>(562) 941-1817</td>
<td><a href="mailto:alex.rodriguez@santafesprings.org">alex.rodriguez@santafesprings.org</a></td>
</tr>
<tr>
<td>Santa Fe Springs, CA 90670</td>
<td>Phone: (562) 944-9713</td>
<td></td>
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</tr>
<tr>
<td>Mr. Alex Rodriquez, Fire Chief</td>
<td>Fax: (562) 941-1817</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Santa Monica City Fire Department</td>
<td>Fire Prevention Division</td>
<td>(310) 458-8915</td>
<td>(310) 395-3395</td>
<td><a href="mailto:eric.binder@mgov.net">eric.binder@mgov.net</a></td>
</tr>
<tr>
<td>Santa Monica, CA 90401</td>
<td>Phone: (310) 458-8915</td>
<td></td>
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</tr>
<tr>
<td>Mr. Eric Binder, Assistant Fire Marshall</td>
<td>Fax: (310) 395-3395</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>333 Olympic Drive</td>
<td>Phone: (310) 434-2666</td>
<td></td>
<td></td>
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<tr>
<td>Santa Paula Fire Department**</td>
<td>970 East Ventura Street</td>
<td>(805) 525-4478</td>
<td>(805) 525-6278</td>
<td><a href="mailto:kfeldes@ci.santa-paula.ca.us">kfeldes@ci.santa-paula.ca.us</a></td>
</tr>
<tr>
<td>Santa Paula, Ca. 93060</td>
<td>Phone (805) 525-4478</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mr. Kevin Fildes, Assistant Fire Chief</td>
<td>Fax (805) 525-6278</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>970 East Ventura Street</td>
<td>Phone: (805) 525-4478</td>
<td></td>
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<td><a href="mailto:kfeldes@ci.santa-paula.ca.us">kfeldes@ci.santa-paula.ca.us</a></td>
</tr>
<tr>
<td>Santa Paula, Ca. 93060</td>
<td>Phone (805) 525-4478</td>
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<tr>
<td>Mr. Kevin Fildes, Assistant Fire Chief</td>
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<tr>
<td>970 East Ventura Street</td>
<td>Phone: (805) 525-4478</td>
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<tr>
<td>Santa Paula, Ca. 93060</td>
<td>Phone (805) 525-4478</td>
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<tr>
<td>Mr. Kevin Fildes, Assistant Fire Chief</td>
<td>Fax (805) 525-6278</td>
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<tr>
<td>970 East Ventura Street</td>
<td>Phone: (805) 525-4478</td>
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<tr>
<td>Santa Paula, Ca. 93060</td>
<td>Phone (805) 525-4478</td>
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<tr>
<td>Mr. Kevin Fildes, Assistant Fire Chief</td>
<td>Fax (805) 525-6278</td>
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</tbody>
</table>
| ** Participating Agency **
Appendix F CUPAs and Other Agencies

Santa Rosa City Fire Department
Fire Prevention Bureau
2373 Circadian Way
Santa Rosa, CA 95407
Phone: (707) 543-3500
Fax: (707) 543-3520
Ms. Cory Vincent,
Program Manager Hazard Materials
Email: cvincent@ci.santa-rosa.ca.us

Shasta County
Resource Management Department
Environmental Health Division
1855 Placer Street, Suite 201
Redding, CA 96001
Phone: (530) 225-5787
Fax: (530) 225-5413
Mr Jim Whittle,
Senior Environmental Health Specialist
Email: jwhittle@co.shasta.ca.us

Sierra County
Human Services Department
Sierra County Environmental Health Division
202 Front Street
P.O. Box 7
Loyalton, CA 96118
Phone: (530) 993-6716
Fax: (530) 993-6790
E-mail: envhealth@sierracounty.ws
Ms. Elizabeth Morgan, REHS
E-mail: emorgan@sierracounty.ws

Siskiyou County
Public Health & Community Development Agency
Environmental Health Division
806 South Main St.
Yreka, CA 96097
Phone: (530) 841-2100
Fax: (530) 841-4076
E-mail: drherf@co.siskiyou.ca.us
Mr. Mike Moses, Director
Email: mosesm@co.siskiyou.ca.us

Solano County
Resource Management Department
Environmental Health Services Division
675 Texas St., Suite 5500
Fairfield, CA 94533
Phone: (707) 784-6765
Fax: (707) 784-4805
Terry Schmidt Baurer,
Environmental Health Manager
E-mail: tschmidtbauer@solanocounty.com

Sonoma County
Fire & Emergency Services Department
Hazard Materials Section
2300 County Center Dr., #221A
Santa Rosa, CA 95403
Phone: (707) 565-1152
Fax: (707) 565-1172
Mr. Andrew Parsons,
Assistant Chief/ Hazardous Materials Program Manager
Phone: (707) 565-174
E-mail: aparsons@sonoma-county.org

South Pasadena Fire Department
817 Mound Avenue
South Pasadena, CA 91030
Phone No (626) 403-7300
Fax (626) 403-7301
Mr. Rudy Pock,
Hazmat Coordinator
Email: rpock@ci.south-pasadena.ca.us

Stanislaus County
Environmental Resources Department
Hazardous Materials Division
3800 Cornucopia way, Suite C
Modesto, CA 95358
Phone: (209) 525-6700
Fax: (209) 525-6774
Ms. Beronia Beniamine,
CUPA Manager
Phone: (209) 525-6746
Email: bbeniamine@envres.org

** Participating Agency
Appendix F CUPAs and Other Agencies

Sunnyvale
Department of Public Safety
700 All American Way
P.O. Box 3707 (mail)
Sunnyvale, CA 94088-3707
Phone: (408) 730-7100
Fax: (408) 730-7214
Mr. Ron Staricha,
Hazardous Materials Coordinator
Phone: (408) 730-7219
E-mail: rstaricha@ci.sunnyvale.ca.us

Sutter County
Community Services Department
Environmental Health Division
1130 Civic Center Blvd, Suite B
Phone: (530) 822-7400
Fax: (530) 822-7109
Mr. Jeff Williams,
Environmental Health Manager
E-mail: jwilliams@co.sutter.ca.us

Tehama County
Environmental Health Department
Hazardous Materials Division
633 Washington St., Courthouse Rm 36
Red Bluff, CA 96080
Phone: (530) 527-8020
Fax: (530) 527-6617
Mr. Tim Potanovic, Director
Email: potanovic@pacbell.net

Torrance Fire Department**
Fire Prevention Division
3031 Torrance Boulevard
Torrance, CA 90503
Phone No (310) 618-2973
Fax (310) 781-7506
Dr. John Kulluk,
Hazardous Materials Analyst
Email: jkulluk@torranceCA.gov

Trinity County-DTSC
Department of Toxic Substances Control
8800 Cal Center Drive
Sacramento, CA 95826-3200
Phone: (916) 255-3663 (Main)
Phone: (866) 348-0028 (Toll Free)
FAX: (916) 255-6446
Mr. Paul S. Kewin,
Trinity County CUPA Program Manager
Phone: (916) 255-3718
E-mail: Kewin@dtsc.ca.gov

Tulare County Health Services Department
Environmental Health Services
5957 So. Mooney Blvd
Visalia, CA 93277
Phone: (559) 624-7400
Fax: (559) 733-6932
Mr. Joel Martens,
CUPA Program Manager
Phone: (559) 624-7419
E-mail: jmartens@tularehhsa.org

Tuolumne County
Environmental Health Division
12801 Cabezut Road (physical)
2 South Green St. (mail)
Sonora, CA 95370
Phone: (209) 533-5990
Fax: (510) 533-5909
Ms. Sheilah Lillie,
Environmental Health Specialist
Email: slillie@co.tuolumne.ca.us

Union City
Economic and Community Development Department
34009 Alvarado-Niles Road
Union City, CA 94587-4497
Phone: (510) 675-5360
Ms. Chris Boykin,
Acting CUPA Manager, Environmental Programs
Phone: (510) 675-5358
Fax: (510) 487-2117
Email: ChrisBoykin@ci.union-city.ca.us

** Participating Agency
Ventura County
Resource Management Agency
Environmental Health Division
800 South Victoria Avenue
Ventura, CA 93009-1730
Phone: (805) 654-2813
Mr. Greg Smith,
Hazardous Materials Manager
Phone: (805) 654-2815
Fax: (805) 477-1595
E-mail: greg.smith@ventura.org

Ventura City Fire Department**
Fire Prevention Division
501 Poli Street, Room 107 (physical)
PO Box 99 (mail)
Phone: (805) 654-4717
Fax: 805-654-7595
Ventura, CA 93001
Joe Grant,
Hazardous Materials Specialist
Phone: (805)-654-7792
Email: Jgrant@cityofventura.net

Vernon City
Health & Environmental Control Department
4305 Santa Fe Ave.
Vernon, CA 90058
Phone (323) 826-1420
Fax: (323) 588-4320
Mr. Lewis Pozzebon, Director
Phone (323) 583-8811 ex. 229
E-mail: lpozzebon@ci.vernon.ca.us

Victorville City
P.O. Box 5001
Victorville, CA 92393
Phone: (760) 955-5227
Mr. Greg Coon,
CUPA Program Manager
Phone: (760) 955-5229
Fax: (760) 955-1098
E-mail: gcoon@ci.victorville.ca.us

West Sacramento Fire Department**
Fire Prevention Division
2040 Lake Washington Blvd
West Sacramento, CA 95691
Phone No (916) 617-4608
Fax (916) 372-5017
Mr. Bryan Jonson,
Fire Inspector
Email: byranj@cityofwestsacramento.org

Yolo County Heath Department
Environmental Health Division
137 N Cottonwood Street Suite 2400
Woodland, CA 95695
Phone: (530) 666-8646 (main)
Fax: (530) 669-1448
Mr. Jeff Pinnow,
Supervising Hazardous Materials Specialist
E-mail: jeff.pinnow@yolocounty.org

Yuba County Community Development & Services Agency
Environmental Health Department
915-8th St., Suite 123
Marysville, CA 95901
Phone: (530) 749-5450 (Main)
Mr. Clark Allen Pickell,
Hazardous Material Supervisor
Phone: (530) 749-7523
Fax: (530) 749-5454
E-mail: cpickell@co.yuba.ca.us

** Participating Agency
Appendix G Completeness Lists
For the Plan and Report

Source Reduction Evaluation Review and Plan List

The Office of Pollution Prevention and Green Technology suggests that you verify your Plan’s completeness by checking each item and including the page number where the information can be found in your Plan. It may be helpful to include the completed list in front of your Plan.

<table>
<thead>
<tr>
<th>Number</th>
<th>Requirement</th>
<th>Yes</th>
<th>No</th>
<th>Plan on page</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Is the generator’s name, address, telephone number and EPA Identification Number in the Plan? (CCR Section 67100.5(a))</td>
<td>☐</td>
<td>☐</td>
<td></td>
</tr>
<tr>
<td>2.</td>
<td>Is the address the same location where waste is generated? If no, is there a given address where waste is generated?</td>
<td>☐</td>
<td>☐</td>
<td></td>
</tr>
<tr>
<td>3.</td>
<td>Is the four-digit SIC code(s) for the site in the Plan? (CCR Section 67100.5(b))</td>
<td>☐</td>
<td>☐</td>
<td></td>
</tr>
<tr>
<td>4.</td>
<td>Is the Plan addressing a multi-site operation? If yes, are all the sites’ addresses listed in the Plan? (If no, this Plan is incomplete.)</td>
<td>☐</td>
<td>☐</td>
<td></td>
</tr>
<tr>
<td>5.</td>
<td>Is there a description of the business or activity conducted at the site in the Plan? (CCR Section 67100.5(c))</td>
<td>☐</td>
<td>☐</td>
<td></td>
</tr>
<tr>
<td>6.</td>
<td>Is the length of time the company has been in operations at the present site provided in the Plan? (CCR Section 67100.5(d))</td>
<td>☐</td>
<td>☐</td>
<td></td>
</tr>
<tr>
<td>7.</td>
<td>Are the major manufactured products and services provided by the business described in the Plan? (CCR Section 67100.5(e))</td>
<td>☐</td>
<td>☐</td>
<td></td>
</tr>
<tr>
<td>Requirement</td>
<td>Yes</td>
<td>No</td>
<td></td>
<td></td>
</tr>
<tr>
<td>-----------------------------------------------------------------------------</td>
<td>-----</td>
<td>----</td>
<td></td>
<td></td>
</tr>
<tr>
<td>8. Is the number of employees working at the site given in the Plan? (CCR Section 67100.5(f))</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>9. Is there a general description of the operations of the site in the Plan with corresponding block diagrams focusing on quantity and type of hazardous wastes, raw materials, and final products produced at the site? (CCR Section 67100.5 (g))</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>10. Does the Plan identify all routinely-generated hazardous waste streams which result from ongoing processes or operations having a yearly volume, or comparable weight, that exceeds five percent of the total yearly volume, or comparable weight, of hazardous waste at the site? (CCR Section 67100.5(h))</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>For each hazardous waste stream identified in 10 above,</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>11. Does the Plan provide an estimate of the weight, in pounds, of waste generated at the site? (CCR Section 67100.5(i)(1))</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>12. Does the Plan provide the applicable California Waste Code(s) for each waste stream? (CCR Section 67100.5(i)(2))</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>13. Are the waste-generating processes, operations and activities (along with corresponding diagrams) described in the Plan? (CCR Section 67100.5(i)(3))</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>14. Do the processes, operations and activities described include a listing of all input materials contributing to the generation of waste (all input materials must be listed in diagrams identified in 13 above)? (CCR Section 67100.5(i)(3))</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>15. Is there an evaluation of available source reduction measures? (CCR Section 67100.5(j))</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

This requirement is in the Plan on page: [142]
<table>
<thead>
<tr>
<th>16. Do the evaluations of source reduction measures consider the following approaches: (CCR Section 67100.5(j))</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Input changes</td>
<td>□ Yes □ No □ N/A</td>
</tr>
<tr>
<td>Operational improvements?</td>
<td>□ Yes □ No □ N/A</td>
</tr>
<tr>
<td>Production process changes?</td>
<td>□ Yes □ No □ N/A</td>
</tr>
<tr>
<td>Product reformulation?</td>
<td>□ Yes □ No □ N/A</td>
</tr>
<tr>
<td>Administrative steps?</td>
<td>□ Yes □ No □ N/A</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>17. Do the evaluations of source reduction measures consider the following factors: (CCR Section 67100.5(k))</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Expected change in the amount of hazardous waste generated?</td>
<td>□ Yes □ No □ N/A</td>
</tr>
<tr>
<td>Technical feasibility?</td>
<td>□ Yes □ No □ N/A</td>
</tr>
<tr>
<td>Economic evaluation?</td>
<td>□ Yes □ No □ N/A</td>
</tr>
<tr>
<td>Effects on product quality?</td>
<td>□ Yes □ No □ N/A</td>
</tr>
<tr>
<td>Employee health and safety implications?</td>
<td>□ Yes □ No □ N/A</td>
</tr>
<tr>
<td>Permits, variances, compliance schedules of applicable State, local and federal agencies?</td>
<td>□ Yes □ No □ N/A</td>
</tr>
<tr>
<td>Releases and discharges?</td>
<td>□ Yes □ No □ N/A</td>
</tr>
</tbody>
</table>

| 18. Does the Plan provide information, such as waste stream constituents and concentrations, pertinent to the evaluation of the source reduction approaches? (CCR Section 67100.5(l)) | □ Yes □ No □ N/A |

This requirement is in the Plan on page: 16.
19. Is there a specification of, and a rationale for, each technically feasible and economically practicable source reduction measure(s) being proposed in the Plan for implementation? (CCR Section 67100.5(m))

<table>
<thead>
<tr>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
</table>

If yes, does the specification include at a minimum a narrative description of the factors in 67100.5(k) and address system capacity and efficiency?

<table>
<thead>
<tr>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
</table>

20. Is there an evaluation and, to the extent practicable, a quantification of the effects of the chosen source reduction measure(s) on emissions and discharges to air, water, or land? (CCR Section 67100.5(n))

<table>
<thead>
<tr>
<th>Yes</th>
<th>No</th>
<th>N/A</th>
</tr>
</thead>
</table>

21. Is there a list of alternatives considered but not selected for a detailed evaluation as a potentially viable source reduction approach? (CCR Section 67100.5(o))

<table>
<thead>
<tr>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
</table>

22. For each alternative rejected, is there a rationale for rejection? (CCR Section 67100.5(o))

<table>
<thead>
<tr>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
</table>

23. Is there a timetable for making reasonable and measurable progress towards implementing and completing the selected source reduction measures? (CCR Section 67100.5(p))

<table>
<thead>
<tr>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
</table>

24. Is there an implementation schedule for completing the evaluation of potentially viable source reduction measures and includes prioritization of processes and wastes for future research, development and source reduction analysis? (CCR Section 67100.5(p))

<table>
<thead>
<tr>
<th>Yes</th>
<th>No</th>
<th>N/A</th>
</tr>
</thead>
</table>

25. Does the Plan contain a four-year numerical goal for reducing the generation of hazardous waste streams through the selected source reduction measures? (CCR Section 67100.5(q))

<table>
<thead>
<tr>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
</table>
26. Is the Plan properly certified? (CCR Section 67100.13)

<table>
<thead>
<tr>
<th>Certification Type</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Technical Certification</td>
<td></td>
</tr>
<tr>
<td>Financial Certification</td>
<td></td>
</tr>
</tbody>
</table>

- [ ] Yes
- [ ] No
Hazardous Waste Management Performance Report List

The following list will be helpful in determining completeness of a Hazardous Waste Management Performance Report. The Department of Toxic Substances Control uses a similar approach to determine whether or not a Performance Report has met the minimum requirements necessary to comply with of the Hazardous Waste Source Reduction and Management Review Act of 1989.

The Office of Pollution Prevention and Green Technology suggests that you verify your Report’s completeness by checking each item and including the page number where the information can be found in your Report. It may be helpful to include the completed list in front of your Report.

This requirement is in the Plan on page:

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Is the generator’s name and address given in the Report? (CCR Section 67100.8(a)(1))</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2. Is the address the same location where the waste is generated? If no, is there a given address where waste is generated?</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3. Is the four-digit SIC code(s) for the site given? (CCR Section 67100.8(a)(2))</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4. Is the Report addressing a multi-site operation? If yes, are all the sites’ addresses listed in the Report? (If no, the Report is incomplete.)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5. Is the baseline year clearly stated in the Report?</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6. Is the reporting year clearly stated in the Report?</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Requirement</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td>-----------------------------------------------------------------------------</td>
<td>-----</td>
<td>----</td>
</tr>
<tr>
<td>7. Is the reporting year the same as the baseline year and so stated in the Report? (If no years are given, the Report is incomplete.)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>8. Does the Report identify all routinely-generated hazardous waste streams which result from ongoing processes or operations having a yearly volume, or comparable weight, that exceeds five percent of the total yearly volume, or comparable weight, of hazardous waste at the site? (CCR Section 67100.8(a)(3))</td>
<td></td>
<td></td>
</tr>
<tr>
<td>For each hazardous waste stream identified in 8 above:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>9. Does the Report provide an estimate of the quantity, in pounds, of waste generated and managed, both on-site and off-site, during the current reporting year and the baseline year? (CCR Section 67100.8(a)(3)(A))</td>
<td></td>
<td></td>
</tr>
<tr>
<td>10. Is there a listing and description of current hazardous waste management approaches and identification of all approaches implemented since the baseline year? (CCR Section 67100.8(a)(3)(B))</td>
<td></td>
<td></td>
</tr>
<tr>
<td>11. Is there an assessment of the effect of each hazardous waste management approach implemented since the baseline year? (CCR Section 67100.8(a)(3)(C))</td>
<td></td>
<td></td>
</tr>
<tr>
<td>12. Does the assessment of implemented waste management approaches consider the following: (CCR Section 67100.8(a)(3)(C))</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Source Reduction?</td>
<td></td>
<td></td>
</tr>
<tr>
<td>On-site or off-site recycling?</td>
<td></td>
<td></td>
</tr>
<tr>
<td>On-site or off-site treatment?</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
13. If applicable, does the Report describe factors that, during the period between the baseline year and the current reporting year, have affected hazardous waste generation and on-site and off-site hazardous waste management practices? (CCR Section 67100.8(a)(3)(D))

<table>
<thead>
<tr>
<th></th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
</table>

14. When describing factors affecting hazardous waste management practices at the site, did the generator consider:

<table>
<thead>
<tr>
<th>Changes in business activity?</th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Changes in waste classification?</th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Natural phenomena?</th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
</table>

15. Is the Report properly certified? (CCR Section 67100.13)

<table>
<thead>
<tr>
<th>Technical Certification</th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Financial Certification</th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
</table>