
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:

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- (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.

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- [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:

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- (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
- (5) Waste Audit Study -- Drug Manufacturing and Processing Industry, May, 1989
- (6) Waste Audit Study -- Metal Finishing Industry, May, 1988
- (7) Waste Audit Study -- Pesticide Formulating Industry, November, 1987
- (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
- (12) Waste Audit Study -- Building Construction Industry, May, 1990
- (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
- (15) Waste Audit Study -- Mechanical Equipment Repair Shops, May, 1990

(16) Hazardous Waste Reduction Assessment Handbook -- Auto Repair Shops, October, 1988

(17) Hazardous Waste Reduction Checklist -- Auto Repair Shops, October, 1988

(18) Hazardous Waste Reduction Checklist & Assessment Manual for the Metal Finishing Industry, September, 1989

(19) Waste Audit Study -- Printed Circuit Board Manufacturers, June, 1987

(20) Waste Audit Study -- Commercial Printing Industry, May, 1989

(21) Waste Audit Study -- Thermal Metal Working Industry, December, 1990

(22) Hazardous Waste Reduction Checklist & Assessment Manual for Pesticide Formulators, June, 1990

(23) Facility Pollution Prevention Guide, EPA/600/R-92/o88, 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), break-down point, avoided cost, pretax pay-back 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.

§67100.8. Report Format.

(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 and;
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.

§67100.9. Summary Progress Report.

(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."

§67100.14. Trade Secrets.

(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

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

- 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

Tobacco Products

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

Textile Mill Products

- 2211 Broadwoven fabric mills, cotton

- 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

2387 Apparel belts
 2389 Apparel and accessories, nec
 2391 Curtains and draperies
 2392 House furnishing, nec
 2393 Textile bags
 2394 Canvas and related products
 2395 Pleating and stitching
 2396 Automotive and apparel trimmings
 2397 Schiffli machine embroideries
 2399 Fabricated textile products, nec

Lumber and Wood Products

2411 Logging
 2421 Sawmills and planing mills, general
 2426 Hardwood dimension and flooring mills
 2429 Special product sawmills, nec
 2431 Millwork
 2434 Wood kitchen cabinets
 2435 Hardwood veneer and plywood
 2436 Softwood veneer and plywood
 2439 Structural wood members, nec
 2441 Nailed wood boxes and shook
 2448 Wood pallets and skids
 2449 Wood containers, nec
 2451 Mobile homes
 2452 Prefabricated wood buildings
 2491 Wood preserving
 2493 Reconstituted wood products
 2499 Wood products, nec

Furniture and Fixtures

2511 Wood household furniture
 2512 Upholstered household furniture
 2514 Metal household furniture
 2515 Mattresses and bedsprings
 2517 Wood TV and radio cabinets
 2519 Household furniture, nec
 2521 Wood office furniture
 2522 Office furniture, except wood
 2531 Public building and related furniture
 2541 Wood partitions and fixtures
 2542 Partitions and fixtures, except wood

2591 Drapery hardware and blinds and shades
 2599 Furniture and fixtures, nec

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

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

- 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

3769 Space vehicle equipment, nec
 3792 Travel trailers and campers
 3795 Tanks and tank components
 3799 Transportation equipment, nec

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

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

3996 Hard surface floor coverings, nec
 3999 Manufacturing industries, nec

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

4492 Towing and tugboat service
4493 Marinas
4499 Water transportation services, nec

Transportation by Air

4512 Air transportation, scheduled
4513 Air courier services
4522 Air transportation, nonscheduled
4581 Airports, flying fields, and services

Pipelines, Except Natural Gas

4612 Crude petroleum pipelines
4613 Refined petroleum pipelines
4619 Pipelines, nec

Transportation Services

4724 Travel agencies
4725 Tour operators
4729 Passenger transportation arrangement, nec
4731 Freight transportation arrangement
4741 Rental of railroad cars
4783 Packing and crating
4785 Inspection and fixed facilities
4789 Transportation services, nec

Communications

4812 Radiotelephone communications
4813 Telephone communications, except radio
4822 Telegraph and other communications
4832 Radio broadcasting stations
4833 Television broadcasting stations
4841 Cable and other pay TV services
4899 Communication services, nec

Electric, Gas, and Sanitary services

4911 Electric services
4922 Natural gas transmission
4923 Gas transmission and distribution
4924 Natural gas distribution
4925 Gas production and/or distribution
4931 Electric and other services combined

4932 Gas and other services combined
4939 Combination utilities, nec
4941 Water supply
4952 Sewerage systems
4953 Refuse systems
4959 Sanitary services, nec
4961 Steam and air conditioning supply
4971 Irrigation systems

Wholesale Trade, Durable Goods

5012 Automobiles and other motor vehicles
5013 Motor vehicle supplies and new parts
5014 Tires and tubes
5015 Motor vehicle parts, used
5021 Furniture
5023 Home furnishings
5031 Lumber, plywood, and millwork
5032 Brick, stone, and related materials
5033 Roofing, siding, and insulation
5039 Construction materials, nec
5043 Photographic equipment and supplies
5044 Office equipment
5045 Computers, peripherals, and software
5046 Commercial equipment, nec
5047 Medicinal and hospital equipment
5048 Ophthalmic goods
5049 Professional equipment, nec
5051 Metals service centers and offices
5052 Coal and other minerals and ores
5063 Electrical apparatus and equipment
5064 Electrical appliances, TV and radios
5065 Electronic parts and equipment
5072 Hardware
5074 Plumbing and hydronic heating supplies
5075 Warm air heating and air conditioning
5078 Refrigeration equipment and supplies
5082 Construction and mining machinery
5083 Farm and garden machinery
5084 Industrial machinery and equipment
5085 Industrial supplies
5087 Service establishment equipment
5088 Transportation equipment and supplies
5091 Sporting and recreational goods

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

Building Materials and Garden Supplies

5211 Lumber and other building materials
 5231 Paint, glass, and wallpaper stores

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

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

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 campsites
 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

- 7536 Automotive glass replacement shops
- 7537 Automotive transmission repair shops
- 7538 General automotive repair shops
- 7539 Automotive repair shops, nec
- 7542 Car washes
- 7549 Automotive services, nec

Miscellaneous Repair Services

- 7622 Radio and television repair
- 7623 Refrigeration service and repair
- 7629 Electrical repair shops, nec
- 7631 Watch, clock, and jewelry repair
- 7641 Reupholstery and furniture repair
- 7692 Welding repair
- 7694 Armature rewinding shops
- 7699 Repair services, nec

Motion Pictures

- 7812 Motion picture and video production
- 7819 Services allied to motion pictures
- 7822 Motion picture and tape distribution
- 7829 Motion picture distribution services
- 7832 Motion picture theaters except drive-in
- 7833 Drive-in motion picture theaters
- 7841 Video tape rental

Amusement and Recreation Services

- 7911 Dance studios, schools, and halls
- 7922 Theatrical producers and services
- 7929 Entertainers and entertainment groups
- 7933 Bowling centers
- 7941 Sports clubs, managers, and promoters
- 7948 Racing, including track operation
- 7991 Physical fitness facilities
- 7992 Public golf courses
- 7993 Coin-operated amusement devices
- 7996 Amusement parks
- 7997 Membership sports and recreation clubs
- 7999 Amusement and recreation, nec

Health Services

- 8011 Offices and clinics of medical doctors
- 8021 Offices and clinics of dentists

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

Legal Services

- 8111 Legal services

Educational Services

- 8211 Elementary and secondary schools
- 8221 Colleges and universities
- 8222 Junior colleges
- 8231 Libraries
- 8243 Data processing schools
- 8244 Business and secretarial schools
- 8249 Vocational schools, nec
- 8299 Schools and educational services, nec

Social Services

- 8322 Individual and family services
- 8331 Job training and related services
- 8351 Child day care services
- 8361 Residential care
- 8399 Social services, nec

Museums, Botanical, Zoological Gardens

- 8412 Museums and art galleries
- 8422 Botanical and zoological gardens

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.

Appendix E Publications List

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.

Doc. No.	Title	Doc. No.	Title
001 Updated	<p>Guidance Manual for Complying with the Hazardous Waste Source Reduction & Management Review Act of 1989 (2010, 148 pp.)</p> <p>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.</p>	004 Updated	<p>Compliance Checklist for Complying with the Hazardous Waste Source Reduction and Management Review Act of 1989 (2010, 46 pp.)</p> <p>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.</p>

Doc. No.	Title
006	<p>Pollution Prevention Planning - A Citizen's Guide to Hazardous Waste Source Reduction (1997, 1 pp.) The Citizen's Guide explains the purposes and requirements of SB 14 to the public. The guide explains the term "source reduction" and discusses what information SB 14 regulated businesses must provide in the Source Reduction Plan and Management Performance Report documents. The guide also discusses the provision in the California Code of Regulations, Section 67100.3(b), which requires businesses to make their SB 14 documents available locally for public review. Fact sheet is available in Spanish and English.</p>

WASTE MINIMIZATION FACT SHEETS
 A summary of waste minimization methods for specific industries.

Doc. No.	Title
200	<p>Pollution Prevention Can Work For You (1997, 6 pp.) A summary of general hazardous waste minimization definitions and techniques for businesses.</p>
202	Automotive Paint Shops (2002, 5 pp.)
204	Building Construction (1993, 4 pp.)
211	Research and Educational Institutions (1993, 4 pp.)
212	Ceramic Products (1993, 4 pp.)
213	Drug Manufacturing and Processing (1994, 6 pp.)
216	Paint Manufacturers Can Save Money on Environmental Compliance Costs (1996, 4 pp.)

Doc. No.	Title
217	<p>How To Select and Use Safe Janitorial Chemicals (1999, 19 pp.) 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</p>

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

Doc. No.	Title
315	Photo processing Industry(1995, 267 pp.)

HAZARDOUS WASTE MINIMIZATION CHECKLIST AND ASSESSMENT MANUALS
 Manuals developed to aid manufacturers in evaluating their shops for waste minimization opportunities.

Doc. No.	Title
402	Metal Finishing Industry (1993, 143 pp.)
405	Electronics Industry (1996, 76 pp.)
409	Marine Ship and Pleasure Vessel Boat Yards (1993, 30 pp.)
410	<p>Jewelry Manufacturing Pollution Prevention Recommendations (2002, 11 pp.) 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.</p>

Doc. No.	Title
411	Commercial Printing Industry (1994, 54 pp.)
413	Pollution Prevention Guide for Hospitals (1998, 148 pp.)

BIENNIAL REPORTS TO THE CALIFORNIA STATE LEGISLATURE

Doc. No.	Title
540	Pollution Prevention Accomplishments (1999, 41 pp.) Reports the significant accomplishments and activities of OPPTD between January 1996 and December 1998.
541	Pollution Prevention Report and 2-Year Workplan (2000, 173 pp.) Summarizes DTSC's activities per SB 1916 of 1998. Includes information about the trends in hazardous waste 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.
543	2002 Pollution Prevention Report and 2-Year Workplan (2002, 145 pp) Summarizes DTSC's activities per SB 1916 of 1998. 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.

LOCAL GOVERNMENT

Doc. No.	Title
527	Marketing Pollution Prevention 101: A Simple Guide for Local Governments (1993, 43 pp.) 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.

WASTE MINIMIZATION ASSESSMENTS OF SPECIFIC FACILITIES

Doc. No.	Title
528	Assessment of the Aerospace Industry Facility Planning Efforts (1993, 100 pp.) 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.
529	Assessment of the Petroleum Industry Facility Planning Efforts (1993, 70 pp.) 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.

Doc. No.	Title	Doc. No.	Title
530	<p>Assessment of the Semiconductor Industry Source Reduction Planning Efforts (1994, 85 pp.) Presents the results of DTSC's assessment of the semiconductor industry's source reduction review and planning effort as mandated under SB 14.</p>		Summarizes the results of DTSC's assessment of the metal finishing and plating industry's source reduction efforts as mandated by SB 14. Plans and reports from 75 facilities were reviewed.
531	<p>Assessment of 1,1,1-Trichloroethane Users Source Reduction Efforts (1995, 125 pp.) More than forty different companies representing over thirty different industries submitted source reduction documents with 1,1,1-trichloroethane substitution information. Thirty-five abstracts explain how these companies are making the transition to other cleaners. Document call-in and review conducted under authority of SB 14.</p>	536	<p>Assessment of the Petroleum Industry Hazardous Waste Source Reduction Planning Efforts (1997, 91 pp.) This second assessment highlights several successful source reduction measures leading to significant reductions of hazardous waste generations, offers an interesting comparison of 1990 vs. 1994 source reduction progress, and discusses future plans.</p>
532	<p>Assessment of Selected Paints and Allied Product Manufacturers Source Reduction Facility Planning Efforts (1995, 37 pp.) Summarizes the results of DTSC's assessment of the paint manufacturing industry's source reduction and facility planning efforts. DTSC requested and reviewed Plans and Reports from 26 facilities within this SIC Code (2851).</p>	537	<p>Assessment of Chemicals and Allied Products Industry Source Reduction Planning Efforts (1998, 106 pp.) Presents findings from DTSC's source reduction planning assessment of 40 facilities classified under seven SIC codes within the Chemicals and Allied Products Industry. This report contains descriptions of each of the 40 companies, discusses compliance issues, and lists source reduction measures for the industry.</p>
533	<p>Assessment of the Polymers and Resins Industry Hazardous Waste Source Reduction Planning Efforts (1996, 75 pp.) Presents the results of DTSC's assessment of the polymers and resins industry's source reduction review and planning effort as mandated under SB 14. DTSC requested and reviewed Plans and Reports from 31 facilities.</p>	538	<p>Assessment of California's Largest Hazardous Waste Generator's Source Reduction Efforts (1998, 65 pp.) Presents DTSC's assessment of some of the largest hazardous waste generators source reduction planning efforts. SB 14 documents from 28 facilities from a wide range of industries were requested and reviewed for this report. Waste generation comparisons were made for the period 1990 to 1994 and beyond. Most facilities reported a decrease in hazardous waste generation.</p>
534	<p>Assessment of the Metal Finishing and Plating Industry Source Reduction Planning Efforts (1996, 62 pp.)</p>	539	<p>Source Reduction Technologies in California Printed Circuit Board Manufacture (1999, 30 pp.) 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.</p>

Doc. No.	Title	Doc. No.	Title
542	<p>Summary of Information from Senate Bill 14 Call-In's, Selected Printers (2001, 100 pp.) 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.</p>	549	<p>California Semiconductor Industry Hazardous Waste Source Reduction Assessment Report (2006, 89 pp.) 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</p>
547	<p>California Petroleum Refinery Hazardous Waste Source Reduction 2002 Assessment Report (2006, 138 pp) 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.</p>	WASTE STREAM SPECIFIC INFORMATION	
544	<p>California Petroleum Refinery Hazardous Waste Source Reduction 1998 Assessment Report (2004, 109 pp.) Presents DTSC's third assessment of California's seventeen largest refineries' efforts toward significant reductions of their hazardous waste from 1994 through 1998.</p>	510	<p>No-Waste Lab Manual for Educational Institutions (1991, 115 pp.) 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.</p>
545	<p>Hazardous Waste Source Reduction Assessment of Selected Sectors of the California Chemical Industry (2004, 125 pp) This document reviews the hazardous waste source reduction efforts of 22 facilities within selected chemical industry SIC Codes, which include generally non-specialty product</p>	607	<p>Aqueous Alternatives to Solvent Cleaning (1994, 6 pp.) A summary of general information on many of the aqueous alternatives available to replace solvent cleaners.</p>
		608	<p>Alternatives to Chlorinated Solvents in Cleaning Applications (1994, 132 pp.) 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.</p>

Doc. No.	Title	Doc. No.	Title
609	<p>Simplified Guide for Evaluating Alternatives to Chlorinated Solvents in Cleaning Applications (1995, 22 pp.) 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).</p>	613	<p>Parts Cleaning in Auto Repair Facilities: The Conversion to Water Executive Summary (1997, 4 pp.) 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.</p>
610	<p>Compliance Assistance PCB Self-Inspection Checklist for PCB Waste Generators (1999, 8 pp.) 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.</p>	614	<p>Parts Cleaning in Auto Repair Facilities: The Conversion to Water (1997, 80 pp.) 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.</p>
611	<p>Parts Cleaning Alternatives in Machine Shops (1995, 16 pp.) 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.</p>	615	<p>Appendices to Parts Cleaning in Auto Repair Facilities: The Conversion to Water (1997, 250 pp.) 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.</p>
		616	<p>Switching to Water-Based Cleaners in Repair and Maintenance Parts Cleaning (1999, 2 pp.) 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.</p>

Doc. No.	Title	Doc. No.	Title
617	<p>Water-Based Parts Washer Systems: A Guidance Program for Users (1999, 3 pp.)</p> <p>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.</p>	620	<p>Brake Cleaning in Automotive Repair Facilities: The Conversion to Water (1999, 113 pp.)</p> <p>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.</p>
618	<p>Water-Based Parts Washer Systems: Case Study Conversions (1999, 29 pp.)</p> <p>This reports 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.</p>	621	<p>Seven (7) Case Studies: The Conversion to Water-Based Cleaners for Automotive Brake Cleaning in Los Angeles (1999, 7 pp.) (English and Spanish)</p> <p>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.</p>
619(a)	<p>Switching to Water-Based Cleaners for Automotive Brake Cleaning, (1999, 2 pp.)</p> <p>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)</p>	622	<p>How To Select and Use Safe Janitorial Chemicals (1999, 86 pp.)</p> <p>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.</p>
619(b)	<p>Cambiando Al Limpiador A Base De Agua Para La Limpieza De Frenos Automotriz (1999, 2 pp.)</p> <p>Este folleto provee información específica de sistemas de limpiar a base de agua, formulaciones, costos, problemas de regulación y preguntas comunmente hechas relativo a limpieza de frenos automotriz.</p>		

Doc. No.	Title	Doc. No.	Title
623	<p>Mercury in the Environment (2001, trifold with 6 inserts) 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</p>	625(b)	<p>La Caja de Herramientas De La Prevención De La Contaminación: Las Mejores Prácticas Ambientales para Mantenimiento de Flotillas Vehiculares (2002, 30 pp.) La Caja de Herramienta contiene una serie de Hoja 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 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 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).</p>
624	<p>A Guide to Mercury Assessment and Elimination in Healthcare Facilities (2000, 81 pp.) Guide includes case studies of mercury assessments of six hospitals. Costs and availability of mercury free equipment alternatives discussed. Excel spreadsheet with multiplier for applicable hospital mercury containing devices allows the user to calculate the amount of mercury removed from the facility. Document 1507 is also a CD containing this document and other useful hospital pollution prevention tools. http://www.dtsc.ca.gov/PollutionPrevention/guide-to-mercury-assessment-in-healthcare-facilities.pdf</p>	626(a)	<p>Pollution Prevention Tool Kit Best Environmental Practices for Auto Repair (2001, 28 pp.) (Also available in Spanish) 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.</p>
625(a)	<p>Best Environmental Practices for Fleet UPDATED Maintenance (2002, 30 pp.) (Also available in Spanish) 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.</p>		<p>Pollution Prevention Tool Kit Best Environmental Practices for Auto Repair (2001, 28 pp.) (Also available in Spanish) 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.</p>

Doc. No.	Title	Doc. No.	Title
626(b)	<p>La Caja de Herramientas De La Prevención De La Contaminación: Las Mejores Prácticas Ambientales para Reparación de Autos (2002, 28 pp.)</p> <p>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 enfocan en las actividades típicas de los talleres de reparación de autos y introduce métodos alternativos que reduzca la cantidad de residuos peligrosos generados, 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 acuosa 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.</p> <p>La Caja de Herramienta incluye las hojas de balance de la comparación de costos, 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 1504 (b).</p>	628	<p>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.</p> <p>Eleven (11) Case Studies: The Conversion to Water-Based Cleaning Systems for Solvent Batch Loaded Cold Cleaning (2001, 11 pp.)</p> <p>This collection of eleven, one-page case studies presents a thumbnail sketch of water-based cleaning systems and formulations used in eleven industrial 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</p>
627	<p>Alternatives in Batch Loaded Cold Cleaning: Case Study Conversions (2001, 67 pp.)</p> <p>This report presents detailed case studies of eleven industrial firms in Southern California that have converted from solvents to</p>	631)	<p>Bypass Oil Filters Fact Sheet (2003, 2 pp.)</p> <p>The By-Pass Oil Filter 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.</p>

Doc. No.	Title	Doc. No.	Title
633	<p>Re-refined Oil Fact Sheet (2003, 2 pp.) (also available in Spanish) 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 manufactures, re-refined oil saves money and reduces the depletion of natural resources.</p>	712	<p>Performance-based Certification of Hazardous Waste Measurement and Monitoring Technologies (1998, 49 pp.) 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.</p>
634	<p>Hoja de Hechos sobre Aceite Re-Refinado (2003, 2 pp.) 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.</p>	752	<p>Final Technology Evaluation Workplan ABB Inc. BIOTEMP® Vegetable Oil-Based Insulating Dielectric Fluid (2001, 29 pp.) 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.</p>
650	<p>Online Automotive Repair Pollution Prevention Directory for Automotive Repair and Fleet Maintenance (updated regularly) 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.</p>	753	<p>Environmental Technology Verification Report ABB Inc. BIOTEMP® Vegetable Oil-Based Insulating Dielectric Fluid (2002, 62 pp.) 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.</p>
<p>EXPERIMENTAL TECHNOLOGY EVALUATION PROGRAM</p>		754	<p>Final Technology Evaluation Workplan Cooper Power Systems Envirotemp®FR3™ Vegetable Oil-Based Insulating Dielectric Fluid (2001, 29 pp.) 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.</p>
710	<p>General Acceptance Criteria and Standards Guidance for the Verification of Environmental Technologies (1998, 10 pp.) This document outlines the data quality acceptance and quality control criteria to be used in the verification of environmental technologies.</p>		

Doc. No.	Title	Doc. No.	Title
755	<p>Environmental Technology Verification Report Cooper Power System Envirotemp®FR3™ Vegetable Oil-Based Insulating Dielectric Fluid (2002, 65 pp.)</p> <p>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.</p>	759	<p>treat waste waters from metal finishing operations, resulting in a closed-loop, zero-discharge recycling system.</p> <p>Lithium Metatungstate (LMT) Verification WorkPlan (2000, 21 pp.)</p> <p>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.</p>
756	<p>Survey and Initial Evaluation of Small On-site Fluorescent Lamp Crushers On-line only (2001, 31 pp.)</p> <p>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.</p>	760	<p>Environmental Technology Verification Report Lithium Metatungstate (LMT) as a Replacement Heavy Liquid in ASTM Standard D 4371-98 (2003, 30 pp.)</p> <p>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.</p>
757	<p>Technology Evaluation Workplan Hydromatrix 786E Ion Exchange Rinsewater Recycling System (2000, 23 pp.)</p> <p>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.</p>		
758	<p>Environmental Technology Verification Report Hydromatrix 786E Ion Exchange Rinsewater Recycling System (2002, 49 pp.)</p> <p>Final Report of the Hydromatrix Verification Project describing project design, data collection, and results of testing. The Hydromatrix system is used to</p>		

ALTERNATIVE TECHNOLOGY INNOVATIVE ALTERNATIVE TECHNOLOGIES		Doc. No.	Title
Doc. No.	Title		
1211	Reclamation of Waste Foundry Sands: Fresno Valves and Castings, Inc., Waste Sand Reclamation Project (Technology Brief) (1995, 2 pp.) Describes a project involving the reconditioning and reuse of most of the waste sand.	1503(a)	Profit Through Prevention - Best Environmental Practices for Fleet Maintenance (1999, 35 minutes) 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.
1212	Alternative Technology Demonstration Project Report - Use of Kerr McGee Chemical Corporation Boiler Fly Ash as a Feedstock in the Manufacturing of Southwestern Portland Cement (1992, 9 pp.) 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.	1503(b)	Ganancias por Medio de la Prevención Las Mejores Practicas Ambientales para la Mantenimiento de Flotillas Vehiculares(1999, 30 minutos). Este video es compañero para la Caja de Herramienta, y demuestra cómo los operadores de talleres de mantenimiento de flotillas de vehicular 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 vehiculos y sus historias del éxito. VHS
1214	Water Based Ink Wastes: Biodegradation Technology (Technology Brief) (1995, 2 pp.) Describes a biologically based electro-mechanical system that uses horse manure as a source of microbes to biodegrade water-based ink wastes.	1504(a)	Profit Through Prevention - Best Environmental Practices for Auto Repair (1999, 30 minutes) 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
1216	Pesticide Rinsates: Biodegradation Technology (Technology Brief) (1995, 2 pp.) Describes a biologically based, electro-mechanical system that uses horse manure as a source of microbes to biodegrade pesticide rinsates.	1504(b)	Ganancias por Medio de la Prevención – Las Mejores Practicas Ambientales para la Reparación de Autos (1999, 30 minutos). 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
CD'S AND VIDEOS			
1501	Why Waste?: Waste Minimization for Today's Businesses (1990, 28 minutes) 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		

Doc. No.	Title
1505	<p>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.</p>
1506	<p>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, rerefined 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.</p>
1507	<p>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.</p>

**POLLUTION PREVENTION
CASE STUDIES**

Doc. No.	Title
1600	Zero Water Discharge in the Metal Plating Industry Using an Improved Ion Exchange Process (1996, 6 pp.)
1601	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**

Other documents and executive summaries are available online through the California Environmental Protection Agency (Cal/EPA) Home Page. Use the following Uniform Resource Locators (URLs) to find the web page for Cal/EPA, DTSC and OPPGT. The Cal/EPA web page has a hypertext link to DTSC. The DTSC web page has a hypertext link to OPPGT. The following are the web page addresses:

Cal/EPA: <http://www.calepa.ca.gov/>

DTSC: <http://www.dtsc.ca.gov/>

OPPGT: <http://www.dtsc.ca.gov/PollutionPrevention/index.cfm>

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

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State Government	<input type="checkbox"/>
University	<input type="checkbox"/>
Waste Management Industry	<input type="checkbox"/>
Other (please specify) _____	<input type="checkbox"/>

	Doc. No.	Publication Title	Quantity
1			
2			
3			
4			
5			
6			
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10			

APPENDIX F Local Unified Program 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>

Alameda County
Environmental Health Department
1131 Harbor Bay Parkway
Alameda, CA 94502-6577
Phone: (510) 567-6700
Fax: (510) 337-9335
Ms. Susan Hugo,
Supervising Hazardous Materials Specialist
Phone: (510) 567-6780
E-mail: Susan.hugo@acgov.org

Alhambra Fire Department**
Hazardous Materials Division
301 N. First Street
Alhambra, CA 91801
Phone: (626) 570-5190
Mr. Raymond Mosack,
Assistant Chief/Fire Marshal
Phone: (626) 570-5192
Fax: (626) 457-8961
E-mail: rmosack@alhambrafire.org

Alpine County
Health Department
75-B Diamond Valley Road
Markleeville, CA 96120
Phone: (530) 694-3146
Fax: (530) 694-2770
Mr. Dennis Lampson, CUPA Manager
E-mail: dlampson@alpinecountyca.gov

Amador County
Environmental Health Department
810 Court Street
Jackson, CA 95642
Phone: (209) 223-6439
Fax: (209) 223-6228
E-mail: ACEH@co.amador.ca.us
Mr. Bob Fourt, Cupa Manager
E-mail: bfourt@amadorgov.ort

Anaheim Fire Department
Hazardous Materials Division
201 So Anaheim Blvd #300
Anaheim, CA 92805
Phone: (714) 765-4000
E-mail: hms@anaheim.net
Mr. John White, Deputy Fire Marshal
Phone: (714) 765-4055
Fax: (714) 765-4608
E-mail: JoWhite@anaheim.net

Bakersfield City Fire Department
Fire Prevention Services Division
2101 H Street
Bakersfield, CA 93301
Phone: (661) 326-3979
Fax: (661) 852-2171
Mr. Howard Wines,
Director of Prevention Services
E-mail: Hwines@bakersfieldfire.us

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. Shelia 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

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

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

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

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

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

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

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

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

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

Healdsburg/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

**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 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 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

Los Angeles County 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

**Los Angeles County
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

**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

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

** Participating Agency

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

Oxnard City Fire Department
360 West Second Street
Oxnard, CA 93030
Phone: (805) 385-7722
Fax: (805) 385-8009
Mr. Miguel Trujillo,
CUPA Coordinator
Phone: (805) 385-8364
E-mail: miguel.trujillo@ci.oxnard.ca.us

Oxnard City Fire Department
360 West Second Street
Oxnard, CA 93 030
Phone: (805) 385-7722
Fax: (805) 385-8009
Mr. Miguel Trujillo,
CUPA Coordinator
Phone: (805) 385-8364
E-mail: miguel.trujillo@ci.oxnard.ca.us

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

Pasadena 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

** Participating Agency

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 Kuciemba, Haz-Mat Investigator
 Phone No (310) 318-0663 Ext 4395
 Fax :(310) 376-3407
 Email richard.kuciemba@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 Manger
 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 Synder,
 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 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 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 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

**San Mateo County
Health System Department**
Environmental Health Division
2000 Alameda de las Pulgas Suite 100
San Mateo, CA 94403
Phone: (650) 372-6200
Fax (650) 363-8244
Mr Bill Lent,
Environmental Health Manager
Phone: (650) 372-6266
E-mail: wlent@co.sanmateo.ca.us

Santa Ana Fire Department**
1439 South Broadway
Santa Ana, CA 92707
Phone: (714) 647-5707
Fax (714) 647-5779
Mr. Chris Ciraulo,
Hazardous Materials Inspector/
Disclosure
Phone: (714) 647-5750
E-mail: cciraulo@santa-ana.org

Santa Barbara County Fire Department
4410 Cathedral Oaks Rd
Santa Barbara, CA 93110
Phone: (805) 681-5500
Fax: (805)681-5563
Mr Richard Todd,
Division Chief/Fire Marshal
Phone: (805) 681-5554
E-mail: richard.todd@sbcfire.com

Santa Clara City Fire Department
1675 Lincoln Street
Santa Clara, CA 95050-4653
Phone (408) 615-4961
Fax (408) 241-3006
Mr. David Parker,
Hazardous Materials Administrator
E-mail: dparker@santaclaraca.us

**Santa Cruz County
Environmental Health Services Department**
701 Ocean Blvd., Suite 312
Santa Cruz, CA 95060
Phone: (831) 454-2022
Fax: (831) 454-3128
E-mail: EnvHlth@co.santa-cruz.ca.us
Mr. Tim Fillmore
Phone: (831) 454-2761
Hazardous Materials Program Manager
Email: tim.fillmore@co.santa-cruz.ca.us

Santa Fe Springs Fire-Rescue Department
Environmental Protection Division
11300 Greenstone Ave
Santa Fe Springs, CA 90670
Phone: (562) 944-9713
Fax: (562) 941-1817
Mr. Alex Rodriquez, Fire Chief
E-mail: alex.rodriquez@santafesprings.org

Santa Monica City Fire Department
Fire Prevention Division
333 Olympic Drive
Santa Monica, CA 90401
Phone: (310) 458-8915
Fax: (310) 395-3395
Mr. Eric Binder,
Assistant Fire Marshall
Phone: (310) 434-2666
E-mail: eric.binder@mgov.net

Santa Paula Fire Department**
970 East Ventura Street
Santa Paula, Ca. 93060
Phone (805) 525-4478
Fax (805) 525-6278
E-mail: Fire@ci.santa-paula.ca.us
Mr .Kevin Fildes,
Assistant Fire Chief
P.O.Box 568
Santa Paula, Ca. 93061
Phone (805) 933-4265
Fax (805) 525-6660
Email:kfildes@ci.santa-paula.ca.us

** Participating Agency

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: moosesm@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 Schmidtbauer,
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

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

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

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
 Email: jwilliams@co.sutter.ca.us

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

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: potanov@pacbell.net

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

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

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

**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

Appendix G Completeness Lists For the Plan and Report

Source Reduction Evaluation Review and Plan List

The Office of Pollution Prevention and GreenTechnology 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.

This requirement is in the Plan on page:

1. Is the generator’s name, address, telephone number and EPA Identification Number in the Plan? (CCR Section 67100.5(a))	<input type="checkbox"/> Yes <input type="checkbox"/> No	
2. Is the address the same location where waste is generated? If no, is there a given address where waste is generated?	<input type="checkbox"/> Yes <input type="checkbox"/> No	
3. Is the four-digit SIC code(s) for the site in the Plan? (CCR Section 67100.5(b))	<input type="checkbox"/> Yes <input type="checkbox"/> No	
4. 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.)	<input type="checkbox"/> Yes <input type="checkbox"/> No	
5. Is there a description of the business or activity conducted at the site in the Plan? (CCR Section 67100.5(c))	<input type="checkbox"/> Yes <input type="checkbox"/> No	
6. Is the length of time the company has been in operations at the present site provided in the Plan? (CCR Section 67100.5(d))	<input type="checkbox"/> Yes <input type="checkbox"/> No	
7. Are the major manufactured products and services provided by the business described in the Plan? (CCR Section 67100.5(e))	<input type="checkbox"/> Yes <input type="checkbox"/> No	

This requirement is in the Plan on page:

<p>8. Is the number of employees working at the site given in the Plan? (CCR Section 67100.5(f))</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No	
<p>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))</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No	
<p>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))</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No	
<p>For each hazardous waste stream identified in 10 above,</p>		
<p>11. Does the Plan provide an estimate of the weight, in pounds, of waste generated at the site? (CCR Section 67100.5(i)(1))</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No	
<p>12. Does the Plan provide the applicable California Waste Code(s) for each waste stream? (CCR Section 67100.5(i)(2))</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No	
<p>13. Are the waste-generating processes, operations and activities (along with corresponding diagrams) described in the Plan? (CCR Section 67100.5(i)(3))</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No	
<p>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))</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No	
<p>15. Is there an evaluation of available source reduction measures? (CCR Section 67100.5(j))</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No	

This requirement is in the Plan on page:

<p>16. Do the evaluations of source reduction measures consider the following approaches: (CCR Section 67100.5(j))</p> <p>Input changes</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
<p>Operational improvements?</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
<p>Production process changes?</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
<p>Product reformulation?</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
<p>Administrative steps?</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
<p>17. Do the evaluations of source reduction measures consider the following factors: (CCR Section 67100.5(k))</p> <p>Expected change in the amount of hazardous waste generated?</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
<p>Technical feasibility?</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
<p>Economic evaluation?</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
<p>Effects on product quality?</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
<p>Employee health and safety implications?</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
<p>Permits, variances, compliance schedules of applicable State, local and federal agencies?</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
<p>Releases and discharges?</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
<p>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))</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	

This requirement is in the Plan on page:

<p>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))</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No	
<p>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?</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No	
<p>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))</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
<p>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))</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No	
<p>22. For each alternative rejected, is there a rationale for rejection? (CCR Section 67100.5(o))</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No	
<p>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))</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No	
<p>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))</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
<p>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))</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No	

This requirement is in the Plan on page:

26. Is the Plan properly certified? (CCR Section 67100.13)		
Technical Certification	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Financial Certification	<input type="checkbox"/> Yes <input type="checkbox"/> 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:

1. Is the generator's name and address given in the Report? (CCR Section 67100.8(a)(1))	<input type="checkbox"/> Yes <input type="checkbox"/> No	
2. Is the address the same location where the waste is generated? If no, is there a given address where waste is generated?	<input type="checkbox"/> Yes <input type="checkbox"/> No	
3. Is the four-digit SIC code(s) for the site given? (CCR Section 67100.8(a)(2))	<input type="checkbox"/> Yes <input type="checkbox"/> No	
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.)	<input type="checkbox"/> Yes <input type="checkbox"/> No	
5. Is the baseline year clearly stated in the Report?	<input type="checkbox"/> Yes <input type="checkbox"/> No	
6. Is the reporting year clearly stated in the Report?	<input type="checkbox"/> Yes <input type="checkbox"/> No	

This requirement is in the Plan on page:

<p>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.)</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No	
<p>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))</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No	
<p>For each hazardous waste stream identified in 8 above:</p>		
<p>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))</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No	
<p>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))</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No	
<p>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))</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No	
<p>12. Does the assessment of implemented waste management approaches consider the following: (CCR Section 67100.8 (a)(3)(C))</p>		
<p>Source Reduction?</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No	
<p>On-site or off-site recycling?</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No	
<p>On-site or off-site treatment?</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No	

This requirement is in the Plan on page:

<p>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))</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No	
<p>14. When describing factors affecting hazardous waste management practices at the site, did the generator consider:</p>		
<p>Changes in business activity?</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No	
<p>Changes in waste classification?</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No	
<p>Natural phenomena?</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No	
<p>15. Is the Report properly certified? (CCR Section 67100.13)</p>		
<p>Technical Certification</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No	
<p>Financial Certification</p>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	

