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TEXT OF PROPOSED REGULATIONS
Disposition Options for Universal Waste
Cathode Ray Tubes (CRTs) and CRT Glass

Department Reference Number: R-2011-03
Office of Administrative Law Notice File Number: 2018-0625-01

DIVISION 4.5, TITLE 22, CALIFORNIA CODE OF REGULATIONS
CHAPTER 11. IDENTIFICATION AND LISTING OF HAZARDOUS WASTE
CHAPTER 23. STANDARDS FOR UNIVERSAL WASTE MANAGEMENT

Legend: Changes are shown from the existing text of California Code of Regulations, title 22 (prior to the implementation of the 2012 emergency regulations, OAL Notice File Number: 2012-1003-01E) as:

- Underline underline Additions to existing text
- Strikeout ~~strikeout~~ Deletions to existing text

1 **Amend** section 66261.4 of title 22 of the California Code of Regulations, to read:

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3 **§66261.4. Exclusions.**

4

5 (a) Materials which are not wastes. The following materials are not wastes for the
6 purpose of this chapter:

7 (1) industrial wastewater discharges that are point source discharges subject to
8 regulation under section 402 of the federal Clean Water Act, as amended (33 U.S.C.
9 section 1342). This exclusion applies only to the actual point source discharge. It does
10 not exclude industrial wastewaters while they are being collected, stored or treated
11 before discharge, nor does it exclude sludges that are generated by industrial
12 wastewater treatment;

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15 (g) controlled substances;

16 (1) A conditionally exempt controlled substance, as defined in paragraph (2) of
17 this subsection, which is managed in accordance with the requirements of paragraph (3)
18 of this subsection, is not a waste for purposes of this division or Health and Safety
19 Code, division 20, chapter 6.5.

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22 (h) CRT panel glass that meets the criteria specified in section 66273.81 of
23 chapter 23 of this division and is destined for disposal in a CRT panel glass approved
24 landfill pursuant to section 66273.75 of chapter 23, and is managed prior to disposal in
25 accordance with the management standards specified in sections 66273.73 and
26 66273.75 and article 8 of chapter 23, is not a hazardous waste for purposes of disposal.
27 CRT panel glass that is excluded and managed in accordance with this exclusion and
28 the standards specified therein is exempt from the generator and hazardous waste
29 disposal fees.

30 (i) CRT panel glass that is managed in accordance with section 25143.2.5 of the
31 Health and Safety Code is not subject to regulation by DTSC pursuant to Health and
32 Safety Code, division 20, chapter 6.5.

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35 Note: Authority cited: Sections 25140, 25141, 25141.5, 25143.2.5, 25150, 25158.4,
36 25159, 25159.5, 25214.9, 58004 and 58012, Health and Safety Code. Reference:
37 Sections 25117, 25212, 25124, 25140, 25141, 25141.5, 25143, 25143.1, 25143.2,
38 25143.2.5, 25143.4(a), 25143.11, ~~25158.2~~, ~~25158.3~~, 25159, 25159.5 and 25214.9,
39 Health and Safety Code; 40 CFR Section 261.4.

40

1 **Amend** section 66273.6 of title 22 of the California Code of Regulations, to read:

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3 **§ 66273.6. Applicability-Cathode Ray Tubes (CRTs).**

4

5 (a) CRTs covered pursuant to chapter 23. The requirements of this chapter apply
6 to the following CRTs, as defined in section 66273.9, except those listed in subsection
7 (b) of this section-;

8 (1) CRTs that are treated pursuant to subsection (c) of section 66273.72 or
9 section 66273.73 of this chapter; and

10 (2) CRTs destined for reclamation at a CRT glass manufacturer or primary or
11 secondary lead smelter.

12 (b) CRTs not covered pursuant to this chapter. The requirements of this chapter
13 do not apply to the following CRTs:

14 (1) CRTs that are not yet wastes pursuant to chapter 11 as provided in
15 subsection (c) of this section;

16 (2) CRTs that do not exhibit a characteristic of a hazardous waste as set forth in
17 article 3 of chapter 11 of this division;

18 (3) CRTs that are destined for recycling (or are recycled) by being "used in a
19 manner constituting disposal," as described in section 66266.20, ~~or that are destined for~~
20 ~~disposal (or are disposed) to a class I landfill.~~ Such CRTs shall be managed as
21 hazardous wastes pursuant to chapters 10 through 16, 18, and 20 through 22 of this
22 division;

23 (4) Except as otherwise provided in section 66273.72 of this chapter, CRTs that
24 are destined for disposal at a permitted hazardous waste disposal facility. Such CRTs
25 shall be managed as hazardous wastes pursuant to chapters 10 through 16, 18, and 20
26 through 22 of this division;

27 (45) CRTs that are managed as hazardous waste pursuant to chapters 10
28 through 16, 18, and 20 through 22 of this division; and

29 (56) CRTs that were previously wastes pursuant to chapter 11 of this division, but
30 are no longer wastes (e.g., a discarded CRT that is refurbished and is returned to
31 service).

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35 Note: Authority cited: Sections 25141, 25141.5, 25150, 25150.6, 25201, 25214.9, and
36 58012, Health and Safety Code; and Section 42475, Public Resources Code.

37 Reference: Sections 25141, 25141.5, 25150, 25159.5, 25201 and 25214.9, Health and
38 Safety Code.

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1 **Amend** section 66273.7 of title 22 of the California Code of Regulations, to read:

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3 **§ 66273.7. Applicability-Cathode Ray Tube (CRT) Glass.**

4

5 (a) CRT glass covered pursuant to chapter 23. The requirements of this chapter
6 apply to the following CRT glass, as defined in section 66273.9, except CRT glass listed
7 in subsection (b) of this section-;

8 (1) CRT glass that is further treated pursuant to section 66273.73 of this chapter;

9 (2) CRT glass that is destined for reclamation at a CRT glass manufacturer or
10 primary or secondary lead smelter;(3) CRT panel glass that is destined for disposal in a
11 CRT panel glass approved landfill; and

12 (4) CRT funnel glass that is destined for reclamation at a CRT glass
13 manufacturer or primary or secondary lead smelter.

14 (b) CRT glass not covered pursuant to this chapter.

15 The requirements of this chapter do not apply to the following CRT glass:

16 (1) CRT glass that is not yet a waste pursuant to chapter 11 of this division as
17 provided in subsection (c) of this section;

18 (2) CRT glass that does not exhibit a characteristic of a hazardous waste as set
19 forth in article 3 of chapter 11 of this division;

20 (3) CRT glass that is destined for recycling (or is recycled) by being "used in a
21 manner constituting disposal," as described in section 66266.20, ~~or that is destined for~~
22 ~~disposal (or is disposed) to a class I landfill.~~ Such CRT glass shall be managed as a
23 hazardous waste pursuant to chapters 10 through 16, 18, and 20 through 22 of this
24 division; ~~and~~

25 (4) Except as otherwise provided in section 66273.75 of this chapter, CRT glass
26 that is destined for disposal at a permitted hazardous waste disposal facility. Such CRT
27 glass shall be managed as a hazardous waste pursuant to chapters 10 through 16, 18,
28 and 20 through 22 of this division;

29 (5) CRT panel glass that is received by a CRT panel glass approved landfill for
30 the purpose of disposal;

31 ~~(46)~~ CRT glass that is managed as a hazardous waste pursuant to chapters 10
32 through 16, 18, and 20 through 22 of this division-; ~~and~~

33 (7) CRT panel glass that is managed in accordance with section 25143.2.5 of the
34 Health and Safety Code.

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38 Note: Authority cited: Sections 25141, 25141.5, 25143.2.5, 25150, 25150.6, 25201,
39 25214.9, and 58012, Health and Safety Code; and Section 42475, Public Resources
40 Code. Reference: Sections 25141, 25141.5, 25143.2.5, 25150, 25159.5, 25201 and
41 25214.9, Health and Safety Code.

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1 **Amend** section 66273.9 of title 22 of the California Code of Regulations, to read:

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3 **§ 66273.9. Definitions.**

4

5 When used in this chapter, the terms listed in this section have the meaning
6 given below. Unless otherwise specified, listed terms that cross-reference the definitions
7 of other terms refer to the definitions set forth in this section for those other terms.
8 Terms that are also defined in chapter 10 of this division are duplicated here solely for
9 convenience of the regulated community. Terms used in this chapter that are not
10 defined in this section but are defined in chapter 10 of this division and/or chapter 6.5 of
11 division 20 of the Health and Safety Code have the meanings given in those sources.

12 "Ampule" means an airtight vial made of glass, plastic, metal, or any combination
13 of these materials.

14 "Battery" means a device consisting of one or more electrically connected
15 electrochemical cells that is designed to receive, store, and deliver electric energy. An
16 electrochemical cell is a system consisting of an anode, a cathode, and an electrolyte,
17 plus such connections (electrical and mechanical) as may be needed to allow the cell to
18 deliver or receive electrical energy. The term battery also includes an intact, unbroken
19 battery from which the electrolyte has been removed.

20 "Cathode ray tube" means a vacuum tube or picture tube used to convert an
21 electrical signal into a visual image.

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24 "CRT device" means any electronic device that contains one or more CRTs
25 including, but not limited to, computer monitors, televisions, cash registers and
26 oscilloscopes.

27 "CRT funnel glass" means any glass separated from CRT panel glass that is
28 derived from the treatment of a CRT and that consists of the neck and funnel section of
29 a CRT, including the frit.

30 "CRT glass" means any glass released or derived from the treatment or
31 breakage of one or more CRTs or CRT devices ~~and subsequently reclaimed at a CRT~~
32 ~~glass manufacturer, or a primary or secondary lead smelter.~~ CRT glass includes CRT
33 funnel glass and CRT panel glass.

34 "CRT panel glass" means glass separated from CRT funnel glass that is derived
35 from the treatment of a CRT and that consists only of the face plate of a CRT containing
36 a phosphor viewing surface. CRT panel glass does not include the frit.

37 "CRT panel glass approved landfill" means a composite-lined portion of a unit of
38 a solid waste landfill that meets all requirements applicable to disposal of municipal
39 solid waste in California after October 9, 1993, and that is regulated by waste discharge
40 requirements issued pursuant to division 7 (commencing with § 13000) of the Water
41 Code for discharges of designated waste, as defined in section 13173 of the Water
42 Code, or CRT panel glass that is in compliance with section 66273.81 of this chapter.

43 "Current closure cost estimate" means the most recent of the estimates prepared
44 in accordance with article 7 of this chapter.

45

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1 "Foreign Destination" means the ultimate recycling, treatment or disposal facility
2 in a receiving country to which universal waste will be sent.

3 "Frit" means a mixture of chemical solvent and powdered glass that joins the
4 CRT funnel glass to the CRT panel glass.

5 "Gas flow regulator" means a piece of mercury-containing equipment used to
6 regulate the flow of gas through a gas meter.

7

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9 "Household" means a single detached residence or a single unit of a multiple
10 residence unit and all appurtenant structures. For the purposes of this section,
11 household does not mean a hotel, motel, bunkhouse, ranger station, crew quarters,
12 campground, picnic ground, or day-use recreation facility.

13 "Intermediate Facility" means a facility that manages CRTs and/or CRT glass
14 pursuant to article 3 of this chapter or 40 Code of Federal Regulations section
15 261.4(a)(22) and is not the final destination of the CRTs and/or CRT glass.

16 "Lamp" means the bulb or tube portion of an electric lighting device. A lamp is
17 specifically designed to produce radiant energy, most often in the ultraviolet, visible, and
18 infra-red regions of the electromagnetic spectrum. Examples of common lamps include,
19 but are not limited to, fluorescent, high intensity discharge, neon, mercury vapor, high
20 pressure sodium, and metal halide lamps.

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24 Note: Authority cited: Sections 25141, 25141.5, 25150, 25214.6, 25150.6, 25201,
25 25214.9, 25219.1 and 58012, Health and Safety Code; and Section 42475, Public
26 Resources Code. Reference: Sections 25141, 25141.5, 25150, 25159.5, 25201, 25212,
27 25214.6, 25214.9, 25219, 25219.1 and 25219.2, Health and Safety Code; 40 CFR
28 Sections 261.4, 261.5 and 273.9.

29

1 **Amend** section 66273.70 of title 22 of the California Code of Regulations, to read:

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3 **Article 7. Authorization Requirements for Universal Waste Handlers Who Treat**
4 **Universal Wastes**

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6 **§66273.70. Applicability.**

7

8 (a) Except as otherwise provided in subsections (b), (c), and (d) of this section, a
9 universal waste handler, who treats universal waste, is subject to all applicable
10 requirements of chapters 14, 15, 16, 18, 20, and 22 of this division with respect to the
11 treatment of that universal waste.

12 (b) Except as otherwise provided in subsection (d) of this section, a universal
13 waste handler who manages a universal waste and its integral components, or the
14 components specified below that the handler has removed from the universal waste, for
15 purposes of recycling it or its component(s), or for the purpose of disposing CRTs or
16 CRT glass by performing one or more activities listed in one or more of the three
17 categories given in subsection (c) of this section, shall be deemed authorized by the
18 Department to conduct those activities, provided the universal waste handler complies
19 with the applicable requirements of this article in addition to the applicable requirements
20 of subsection (c) of section 66273.33, and to the applicable requirements of subsections
21 (a)(1), (b)(1), and (c)(1) of section 66273.33.5, and to the applicable requirements of
22 article 8 of this chapter. The authorization created by this subsection shall not be
23 deemed to be any of the following:

24 (1) A permit-by-rule;

25 (2) A conditional authorization; or

26 (3) A conditional exemption.

27 (c) Activities eligible for authorization pursuant to subsection (b) of this section
28 are any of the following:

29 (1) Removal activities. Removing user-replaceable components from electronic
30 devices, as specified in section 66273.71.

31 (2) Disassembling/draining activities.

32 (A) Removing CRTs from electronic devices, as specified in section 66273.72,
33 subsection (b);

34 (B) Dismantling electronic devices that are not CRT devices and/or removing
35 yokes from CRTs, as specified in section 66273.72, subsection (c);

36 (C) Removing mercury ampules and/or mercury switches from mercury-
37 containing equipment, as specified in section 66273.72, subsection (d); and/or

38 (D) Draining liquid mercury from pressure or vacuum gauges, as specified in
39 section 66273.72, subsection (e).

40 (3) Treatment activities.

41 (A) Treating electronic devices and/or residual printed circuit boards, as specified
42 in section 66273.73, subsection (a); and/or

43 (B) Treating CRTs and/or CRT glass, as specified in section 66273.73,
44 subsection (b).

45 (d) A universal waste handler, who manages universal waste as a consequence
46 of responding to a release in accordance with section 66273.37, is exempt from the

1 otherwise applicable requirements of this article and of chapters 14, 15, 16, 18, 20, and
2 22 of this division with respect to such treatment of the waste.

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5 Note: Authority cited: Sections 25141, 25141.5, 25150, 25201, 25214.6, 25214.9,
6 26219.1 and 58012, Health and Safety Code; and Section 42475, Public Resources
7 Code. Reference: Sections 25141, 25141.5, 25150, 25159.5, 25201, 25212, 25214.6,
8 25214.9, 25219, 25219.1 and 25219.2, Health and Safety Code.

9

1 **Amend** section 66273.72 of title 22 of the California Code of Regulations, to read:

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3 **§66273.72. Authorization for Disassembling/Draining Activities.**

4

5 (a)(1) Universal waste handlers shall not conduct any activity pursuant to this
6 section if the activity involves the use or application of:

7 (A) Chemicals, including water; and/or

8 (B) External heat.

9

10 (2) A universal waste handler shall perform a hazardous waste determination
11 pursuant to section 66262.11 for all residuals resulting from the activities authorized by
12 subsection (c) of this section, and shall:

13 (A) Be deemed the generator of all residuals that are hazardous waste.

14 (B) For all residuals that are hazardous wastes, comply with all the applicable
15 requirements of chapters 12, 14, 15, 16, 18, 20, 22 and 23 of this division and the
16 applicable notification requirements in Health and Safety Code section 25153.6, except
17 as otherwise provided in subsections (a)(3), (a)(4), (a)(6) or (a)(7) of this section.

18 (3) Notwithstanding section 66261.3, subsection (c) and section 66262.11,
19 subsection (d), a handler who is deemed the generator of a residual that is a hazardous
20 waste pursuant to subsection (a)(2)(A) of this section may manage that hazardous
21 waste residual pursuant to any applicable chapter 11 exclusion or exemption [e.g., the
22 scrap metal exclusion provided in § 66261.6, subsec. (a)(3)(B)], except for residual
23 printed circuit boards, which shall be managed pursuant to subsection (a)(4) and (a)(5),
24 or (a)(6) of this section.

25 (4) Prior to conducting any subsequent treatment activity authorized by section
26 66273.73 on any residual printed circuit board resulting from removal activities
27 conducted under this section, a universal waste handler shall manage the residual
28 printed circuit board in a manner that prevents a release to the environment by:

29 (A) Containing the residual printed circuit board in a container that is structurally
30 sound and compatible with the residual printed circuit board,

31 (B) Labeling the container with the following phrase: "Residual Printed Circuit
32 Boards," and

33 (C) If the residual printed circuit board is spilled or might reasonably be expected
34 to cause a release to the environment under reasonably foreseeable conditions,
35 cleaning it up and placing it in a container.

36 (5) A universal waste handler who conducts further treatment pursuant to section
37 66273.73 on any residual printed circuit board, CRT-residual, and/or CRT glass-residual
38 resulting from any activity authorized by this section shall also comply with the
39 applicable requirements of that section.

40 (6) A universal waste handler who does not conduct further treatment pursuant to
41 section 66273.73 on a residual printed circuit board resulting from removal activities
42 conducted under this section shall manage the printed circuit board as prescribed in
43 section 66273.75, subsection (c).

44 (7) Except as provided in subsections (a)(3), (a)(5) or (a)(6) of this section, a
45 universal waste handler who conducts further treatment on any residual that is a
hazardous waste resulting from any activity authorized by this section shall not conduct

1 such treatment, nor use any treatment method, unless that person obtains a hazardous
2 waste facility permit or other form of authorization from the department.

3 (b) Removing CRTs from electronic devices that are CRT devices. A universal
4 waste handler who conducts the activity identified in subsection (b)(1) of this section on
5 electronic devices that are CRT devices shall be deemed authorized by the Department
6 to do so, provided the universal waste handler complies with the requirements specified
7 in this subsection.

8 (1) The universal waste handler shall remove CRTs from electronic devices in a
9 manner that prevents breakage of the CRTs.

10 (2) The universal waste handler shall: ~~be exempt from the notification, annual~~
11 ~~reporting, and recordkeeping requirements specified in section 66273.74, but shall:~~

12 (A) Comply with the notification, annual reporting, and recordkeeping
13 requirements specified in section 66273.74;

14 (AB) Remove CRTs only over, on, or in, a containment device (e.g., a tray, a box,
15 a workbench, a table, or an enclosed machine) sufficient in size and construction to
16 contain any CRT glass that may be released to the environment under reasonably
17 foreseeable conditions in the event of breakage;

18 (BC) Ensure that persons removing CRTs are thoroughly familiar with the
19 techniques and safety precautions required to remove CRTs safely (e.g., releasing the
20 vacuum from each CRT and discharging the CRT);

21 (CD) Place the removed CRTs in a container with packing materials, if such
22 materials are necessary to prevent breakage of the CRTs during handling, storage and
23 transportation; and

24 (DE) Manage the packaged CRTs in accordance with the requirements of section
25 66273.33.5, subsection (b)-; and

26 (F) Treat CRTs pursuant to subsection (c) of this section or section 66273.73 or
27 send or take CRTs to another universal waste handler for treatment pursuant to
28 subsection (c) of this section or section 66273.73.

29 (3) A universal waste handler who does not conduct further treatment on CRTs
30 pursuant to subsection (c) of this section or section 66273.73 or does not send or take
31 CRTs to another universal waste handler for treatment pursuant to subsection (c) of this
32 section or section 66273.73 shall:

33 (A) Ensure that the removed CRTs are recycled or disposed as required by this
34 section;

35 (B) Ship the accumulated CRTs for reclamation at a CRT glass manufacturer or
36 at a primary or secondary lead smelter in accordance with subsection (b)(3)(D) of this
37 section or ship the accumulated CRTs for disposal in accordance with subsection
38 (b)(3)(C) of this section;

39 (C) For disposal at a permitted hazardous waste disposal facility:

40 1. Be deemed the generator of hazardous waste CRTs;

41 2. Manage the CRTs as hazardous waste in accordance with all applicable
42 requirements of chapters 12 through 16, 18, 20 and 22 of this division; and

43 3. Notify the Department in accordance with 66273.74(a)(2).

44 (D) For reclamation at a CRT glass manufacturer or primary or secondary lead
45 smelter:

- 1 1. If the CRTs will be sent to an intermediate facility, prior to arranging for
2 transport of the CRTs to the intermediate facility, make contractual arrangements with
3 the intermediate facility to ensure that CRTs or the CRT glass is sent to the CRT glass
4 manufacturer or primary or secondary lead smelter identified by the universal waste
5 handler.
6 2. Maintain onsite the following information:
7 a. The name, address, and telephone number of the transporter;
8 b. The name and address of the CRT glass manufacturer or primary or
9 secondary lead smelter;
10 c. If the CRTs will be sent to any intermediate facility, the name, address, and
11 telephone number of the intermediate facilities and a description of the facilities'
12 activities;
13 d. Any copies of contractual arrangements made pursuant to subsection
14 (b)(3)(D)1 of this section, if applicable;
15 e. The quantity of CRTs and the departure date of each shipment to any
16 intermediate facility pursuant to subsection (b)(3)(D)1, if applicable; and
17 f. Confirmation receipts from the CRT glass manufacturer or primary or
18 secondary lead smelter indicating that CRT glass shipments were received no later than
19 90 days after the departure date specified in subsection (b)(3)(D)2.e. of this section.
20 (c) Dismantling electronic devices that are not CRT devices and/or removing
21 yokes from CRTs. A universal waste handler who conducts any of the activities
22 identified in subsection (c)(1) of this section shall be deemed authorized by the
23 Department to do so, provided the universal waste handler complies with the
24 requirements in this subsection.
25 (1) The universal waste handler:
26 (A) Dismantles, or otherwise manually segregates, components (e.g., circuit
27 boards, integrated circuits, metals, plastic, wiring, batteries, lamps, etc.) from an
28 electronic device, or
29 (B) Removes the yokes from CRTs but does not break the CRT glass.
30 (2) The universal waste handler shall:
31 (A) Comply with the notification, annual reporting, and recordkeeping
32 requirements specified in section 66273.74;
33 (B) Ensure that all residuals resulting from the activities authorized by subsection
34 (c)(1) of this section that meet activity residuals meeting either the definition of scrap
35 metal in section 66260.10 or the definition of CRT glass in section 66273.9 are recycled;
36 and
37 (C) Treat the CRTs pursuant to section 66273.73 or send or take CRTs to
38 another universal waste handler for treatment pursuant to section 66273.73; and
39 (ⒸD) Conduct the activities in a manner that protects persons managing the
40 electronic devices and/or the CRTs, and that prevents releases of any universal wastes
41 and/or any components of universal wastes, to the environment under reasonably
42 foreseeable conditions, as follows:
43 ***
44

- 1 (3) A universal waste handler who does not conduct further treatment on CRTs
2 pursuant to section 66273.73 or does not send or take CRTs to another universal waste
3 handler for treatment pursuant to section 66273.73 shall:
4 (A) Ensure that the CRTs are recycled or disposed as required by this section;
5 (B) Ship the accumulated CRTs for reclamation at a CRT glass manufacturer or
6 at a primary or secondary lead smelter in accordance with subsection (c)(3)(D) of this
7 section or ship the accumulated CRTs for disposal in accordance with subsection
8 (c)(3)(C) of this section;
9 (C) For disposal at a permitted hazardous waste disposal facility:
10 1. Be deemed the generator of hazardous waste CRTs;
11 2. Manage the CRTs as hazardous waste in accordance with all applicable
12 requirements of chapters 12 through 16, 18, 20 and 22 of this division; and
13 3. Notify the Department in accordance with 66273.74(a)(2).
14 (D) For reclamation at a CRT glass manufacturer or primary or secondary lead
15 smelter:
16 1. If the CRTs will be sent to an intermediate facility, prior to arranging for
17 transport of the CRTs to the intermediate facility, make contractual arrangements with
18 the intermediate facility to ensure that CRTs or the CRT glass is sent to the CRT glass
19 manufacturer or primary or secondary lead smelter identified by the universal waste
20 handler.
21 2. Maintain onsite the following information:
22 a. The name, address, and telephone number of the transporter;
23 b. The name and address of the CRT glass manufacturer or primary or
24 secondary lead smelter;
25 c. If the CRTs will be sent to any intermediate facility, the name, address, and
26 telephone number of the intermediate facilities and a description of the facilities'
27 activities;
28 d. Any copies of the contractual arrangements made pursuant to subsection
29 (c)(3)(D)1 of this section, if applicable;
30 e. The quantity of CRTs and the departure date of each shipment to any
31 intermediate facility pursuant to subsection (c)(3)(D)1, if applicable; and
32 f. Confirmation receipts from the CRT glass manufacturer or primary or
33 secondary lead smelter indicating that CRT glass shipments were received no later than
34 90 days after the departure date specified in subsection (c)(3)(D)2.e. of this section.
35 (d) Removing mercury ampules and/or mercury switches from mercury-
36 containing equipment.

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40 Note: Authority cited: Sections 25141, 25141.5, 25150, 25173, 25201, 25214.6,
41 25214.9, 25219.1 and 58012, Health and Safety Code; and Section 42475, Public
42 Resources Code. Reference: Sections 25141, 25141.5, 25150, 25159.5, 25173, 25201,
43 25212, 25214.6, 25214.9, 25219, 25219.1 and 25219.2, Health and Safety Code.
44

1 **Amend** section 66273.73 of title 22 of the California Code of Regulations, to read:

2

3 **§66273.73. Authorization for Treatment (Processing) Activities.**

4

5 (a) Treatment of electronic devices.

6

7 ***

8 (c) Electronic device, CRT, and residual printed circuit board treatment methods
9 allowed.

10 (1) Except as otherwise provided in subsection (c)(2) of this section, one or more
11 of the following treatment methods is eligible for authorization pursuant to this section, if
12 performed by a universal waste handler described in subsections (a) and/or (b) of this
13 section:

14 (A) Physical treatment that changes only the physical properties of electronic
15 devices, residual printed circuit boards, and/or CRTs, such as cutting, sawing, breaking,
16 shredding, crushing, grinding, screening, sieving, acceleration, or compacting (e.g.,
17 screening to separate different particle sizes of the same component);

18 (B) Physical separation based on differences in physical properties such as size,
19 color, density, or ferromagnetism (e.g., screening to separate different components
20 based on differences in their sizes);

21 (C) Use of a pinpoint torch or hot wire to check (i.e., thermally crack) CRTs for
22 glass separation; ~~and/or~~

23 (D) Sampling, burning (ashing) and ball-milling of samples of electronic devices
24 and/or treatment residues thereof [i.e., shredded circuit boards excluded under 40
25 C.F.R. sec. 261.4(a)(13)] provided the sample size does not exceed 250 kg, and no
26 more than 250 kg (one sample) is subject to thermal assay per 24 hour period;

27 (E) Physical separation of CRT panel glass from CRT funnel glass for the
28 disposal of CRT panel glass in a CRT panel glass approved landfill pursuant to article 8
29 of this chapter; and

30 (F) Physical separation of CRT panel glass from CRT funnel glass for the
31 management of CRT panel glass in accordance with section 25143.2.5. of the Health
32 and Safety Code.

33 (2) Any treatment activity identified in subsection (c)(1) of this section is not
34 eligible for authorization pursuant to this article, but is instead subject to all applicable
35 requirements of chapters 14, 15, 16, 18, 20, and 22 of this division, if the treatment
36 activity involves:

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40 Note: Authority cited: Sections 25141, 25141.5, 25143.2.5, 25150, 25201, 25214.9,
41 25219.1 and 58012, Health and Safety Code; and Section 42475, Public Resources
42 Code. Reference: Sections 25141, 25141.5, 25143.2.5, 25150, 25159.5, 25201, 25212,
43 25214.9, 25219, 25219.1 and 25219.2, Health and Safety Code.

44

1 **Amend** section 66273.74 of title 22 of the California Code of Regulations, to read:

2

3 **§66273.74. Notification, Annual Reporting, and Recordkeeping.**

4

5 (a) Notification.

6 (1) Universal waste handlers of electronic devices and/or CRTs. Except as
7 otherwise provided in sections 66273.71 and 66273.72, a universal waste handler who
8 intends to treat any electronic device and/or CRT pursuant to this article shall submit to
9 the Department at the address given in subsection (e) or (f) of this section, an electronic
10 or written notification containing the following information no later than 30 calendar days
11 prior to treating any electronic device and/or CRT:

12 (A) Name of universal waste handler;

13 (B) Telephone number of universal waste handler;

14 (C) Mailing address of universal waste handler, and physical address, including
15 county, if different from the mailing address;

16 (D) If different from the notifier pursuant to subsection (a) of this section, the
17 name and mailing address of the organization (as authorized to transact business in
18 California) that owns and/or operates the facility;

19 (E) Name, business telephone number, and e-mail address (if available) of the
20 person at the universal waste handler's site who should be contacted regarding
21 universal waste management activities;

22 (F) Facility ID Number, if issued;

23 (G) A general description of the source(s) of electronic devices and/or CRTs
24 [e.g., residential collection(s), other collector(s), etc.];

25 (H) Type(s) of electronic devices and/or CRTs expected to be treated;

26 (I) A description of the treatment process(es) to be used; and

27 (J) Documentation that the facility operator has notified the facility property owner
28 (if different from the operator of the facility) that the facility operator is treating electronic
29 devices and/or CRTs at the facility.

30 (2) A universal waste handler who makes a determination to dispose of CRTs
31 and/or CRT glass pursuant to subsections (b)(3)(C) or (c)(3)(C) of section 66273.72 or
32 subsection (f)(4) of section 66273.75 of this chapter, shall submit to the Department, at
33 the address provided in subsection (f) of this section, a written notification containing the
34 following information no later than 15 calendar days after determining that the CRTs
35 and/or CRT glass is destined for disposal:

36 (A) The ID number for the universal waste handler's facility where the CRTs
37 and/or CRT glass was generated; and

38 (B) A description of the authorized treatment method(s) used to generate the
39 CRTs and/or CRT glass.

40 (23) Universal waste handlers of mercury ampules, mercury switches, and/or
41 pressure or vacuum gauges: Any universal waste handler who intends to treat any
42 equipment containing mercury ampules and/or mercury switches, and/or to treat any
43 pressure or vacuum gauge, pursuant to this article is not required to notify the
44 Department pursuant to this section.

45 (b) Annual reporting.

1 (1) Universal waste handlers of electronic devices and/or CRTs. Except as
2 otherwise provided in sections 66273.71 and 66273.72, a universal waste handler who
3 treated any electronic device and/or CRT pursuant to this article in a calendar year
4 shall, by February 1 of the following year, submit to the Department at the address
5 given in subsection (e) or (f) of this section, an electronic or written annual report
6 containing the information specified in subsection (b)(1)(A) through (b)(1)(J) of this
7 section. The information submitted shall cover the electronic device treatment and CRT
8 treatment activities conducted during the previous calendar year.

9 (A) Name, mailing address (and physical address, including county, if different
10 from the mailing address), and telephone number of the universal waste handler;

11 (B) A description of the facility;

12 (C) Name and mailing address of the organization (as authorized to transact
13 business in California) that owns and/or operates the facility;

14 (D) Name, title, telephone number, and e-mail address (if available) of the
15 contact person at the universal waste handler's physical address who should be
16 contacted regarding universal waste management activities at that location;

17 (E) Facility ID Number, if issued;

18 (F) Number of days the facility operated;

19 (G) Types of electronic devices and/or CRTs treated at the facility;

20 (H) Treatment method used for each type of electronic device and/or CRT
21 treated at the facility;

22 (I) The following quantities treated, which include any quantities treated but not
23 shipped:

24 1. The total quantity of CRT devices (count) treated during the previous calendar
25 year;

26 2. The total quantity of CRTs (count) treated during the previous calendar year;
27 and/or

28 3. The total quantity of electronic devices other than CRT devices (count or
29 weight) treated during the previous calendar year.

30 (J) A list consisting of:

31 1. The name, address, and telephone number for each of the locations to which
32 the universal waste handler shipped CRTs, CRT glass, scrap metal, yokes, universal
33 waste (e.g., lamps, batteries, etc.), and/or exempt materials during the previous
34 calendar year; and

35 2. The following quantities shipped to each of those locations:

36 a. The total quantity of CRTs (count) or CRT glass (weight) shipped to that
37 location during the previous calendar year, including in this case a declaration of
38 whether that location is a CRT glass manufacturer, ~~and/or~~ a primary lead smelter, ~~or~~ a
39 secondary lead smelter, a destination facility, or a CRT panel glass approved landfill;

40 b. The total quantity of residual printed circuit boards and scrap metal (weight)
41 from all treatment activities reported pursuant to this subsection shipped to that location
42 during the previous calendar year;

43 c. The total quantity of yokes (weight) shipped to that location during the previous
44 calendar year; and/or

45 d. The total quantity of universal waste (weight) shipped to that location during
46 the previous calendar year.

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2 ***
3 (c) Recordkeeping.
4 (1)(A) Universal waste handlers of electronic devices and/or CRTs.
5 Except as otherwise provided in sections 66273.71 and 66273.72, a universal waste
6 handler who treats any electronic device and/or CRT pursuant to this article shall
7 maintain on file at the universal waste handler's facility, the following documents as
8 specified:
9 1. A copy of the notification submitted to the Department as required by
10 subsection (a)(1) of this section, ~~beginning no later than 30 days prior to treating any~~
11 ~~electronic device and/or CRT at the universal waste handler's facility;~~
12 2. A copy of the notification submitted to the Department as required by
13 subsection (a)(2) of this section.
14 ~~3. A copy of the most recent annual report submitted to the Department as~~
15 ~~required by subsection (b) of this section, beginning no later than February 1 of the year~~
16 ~~following the most recent calendar year during which the universal waste handler~~
17 ~~treated any electronic device and/or CRT at the universal waste handler's facility~~
18 ~~pursuant to this article; and/or~~
19 ~~34. A current copy of any local air district permit and/or other relevant permit~~
20 ~~required for the facility, beginning no later than the date on which the local air district~~
21 ~~and/or other relevant permitting authority required the universal waste handler to~~
22 ~~possess such a permit.~~
23 5. A copy of the documents that contain the information specified in section
24 66273.72, subsection (b)(3)(D)2.
25 6. A copy of the documents that contain the information specified in section
26 066273.72, subsection (c)(3)(D)2.
27 7. A copy of the documents that contain the information specified in section
28 66273.75, subsection (f)(5)(B).
29 8. A copy of the records that make the demonstration required by section
30 66273.81, subsection (d).

31 ***
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34 Note: Authority cited: Sections 25141, 25141.5, 25150, 25201, 25214.6, 25214.9,
35 26219.1 and 58012, Health and Safety Code; and Section 42475, Public Resources
36 Code. Reference: Sections 25141, 25141.5, 25150, 25159.5, 25179.6, 25201, 25212,
37 25214.6, 25214.9, 25219, 25219.1 and 25219.2, Health and Safety Code.
38

1 **Amend** section 66273.75 of title 22 of the California Code of Regulations, to read:

2

3 **§66273.75. Treatment (Processing) Standards.**

4

5 A universal waste handler who treats electronic devices, residual printed circuit
6 boards, and/or CRTs pursuant to section 66273.73 shall comply with the following
7 standards:

8 (a) Treatment.

9 The universal waste handler shall:

10 (1) Utilize only treatment methods identified in section 66273.73, subsection (c);

11 (2) Ensure that all mercury-containing lamps, PCB capacitors, and other
12 components containing fluids (i.e., liquids or gases) that would be identified as
13 hazardous wastes, are removed prior to treatment methods that may release the fluids
14 such as cutting, sawing, breaking, shredding, crushing, grinding, screening, sieving,
15 acceleration, or compacting;

16 (3) Conduct treatment activities over, or in, a containment device (e.g., a tray, a
17 box, a workbench, a table, or an enclosed machine) sufficient in size and construction to
18 contain any materials that might be released to the environment under reasonably
19 foreseeable conditions.

20 (4) Ensure that all hazardous wastes generated from treatment activities and
21 sent offsite for disposal are managed (i.e., manifested) in accordance with the
22 applicable requirements of article 2 of chapter 12 of this division.

23 (5) Comply with the requirements of sections 66265.18 and 66265.25 of chapter
24 15 of this division to the extent that those requirements apply to facility location and
25 design standards.

26 (6) Ensure that all treatment is conducted in compliance with all applicable state
27 and local air pollution control laws and regulations.

28 (7) Treat electronic devices that are not CRT devices and/or residual printed
29 circuit boards only for the purpose of recycling one or more of their components, ~~and~~
30 ~~ensure that all treatment residuals meeting the definition of scrap metal in section~~
31 ~~66273.9 are recycled and that all treatment residuals meeting the definition of CRT~~
32 ~~glass in section 66273.9 are recycled as specified below.~~

33 (8) Treat CRTs only for the purpose of recycling one or more types of CRT glass
34 ~~and ensure that all the CRT glass is reclaimed at a CRT glass manufacturer or at a~~
35 ~~primary or secondary lead smelter; for disposal; or for the management of CRT panel~~
36 ~~glass according to section 25143.2.5 of the Health and Safety Code.~~

37 (9) For disposal of CRT panel glass at a CRT panel glass approved landfill
38 pursuant to this section and article 8 of this chapter:

39 (A) Separate CRT panel glass from CRT funnel glass; and

40 (B) Remove all phosphor powders from the CRT panel glass.

41 ~~(910) Not accept for treatment, any electronic devices or CRTs that are~~
42 ~~managed, or that are required to be managed, as hazardous wastes pursuant to~~
43 ~~chapters 10 through 16, 18, 20 and 22 of this division, unless authorized to do so~~
44 ~~pursuant to a hazardous waste facility permit or other authorization granted by the~~
45 ~~Department pursuant to those chapters.~~

46 (b) Containment of residuals.

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(c) Management of residuals other than CRT glass.

(1) A universal waste handler shall perform a hazardous waste determination pursuant to section 66262.11 for all residuals resulting from the activities authorized by subsection (a) of this section 66273.73, and shall:

(A) Be deemed the generator of all residuals that are hazardous waste.

(B) For all residuals that are hazardous wastes, comply with all the applicable requirements of chapters 12, 14, 15, 16, 18, 20, 22 and 23 of this division and the applicable notification requirements in Health and Safety Code section 25153.6, except as otherwise provided in subsection (c)(1)(C) of this section.

(C) Notwithstanding section 66261.3, subsection (c) and section 66262.11, subsection (d), a universal waste handler who is deemed the generator of a residual that is a hazardous waste pursuant to subsection (c)(1) of this section may manage that hazardous waste residual pursuant to any applicable chapter 11 exclusion or exemption [e.g., the scrap metal exclusion provided in § 66261.6, subsec. (a)(3)(B)].

(D) Except as allowed pursuant to subsection (c)(1)(C) of this section, a universal waste handler who conducts further treatment on any residual that is a hazardous waste resulting from any activity authorized by this section shall not conduct such treatment, nor use any treatment method, unless that person obtains a hazardous waste facility permit or other form of authorization from the Department.

~~(2) A universal waste handler whose treatment of electronic devices and/or CRTs generates CRT glass as defined in section 66273.9 shall ensure that all CRT glass residuals are sent to a CRT glass manufacturer or to a primary or secondary lead smelter and recycled.~~

(2) A universal waste handler shall ensure that all treatment residuals meeting the definition of scrap metal in section 66273.9 are recycled.

(e) Zoning.

(f) Management of CRT glass.

(1) A universal waste handler shall ensure that the CRT glass generated from treatment pursuant to section 66273.73 is recycled or disposed of.

(2) For disposal of CRT panel glass generated pursuant to subsection (a)(9) of this section in a CRT panel glass approved landfill pursuant to article 8 of this chapter, a universal waste handler shall:

(A) Manage the CRT panel glass and the CRT funnel glass as separate and discrete waste streams and not allow any commingling of these two types of glass;

(B) Within 30 days of initially generating CRT panel glass and before disposing of any CRT panel glass in a CRT panel glass approved landfill, determine that the CRT panel glass meets the criteria specified in section 66273.81 and repeat the determination thereafter, as required by section 66273.81;

1 (C) Until the determination described in subsection (f)(2)(B) of this section is
2 made, manage the CRT panel glass in accordance with the requirements of section
3 66273.82;

4 (D) Upon making the determination required by subsection (f)(2)(B) of this
5 section, manage the CRT panel glass pursuant to article 8 of this chapter; and

6 (E) If the universal waste handler determines that the CRT panel glass does not
7 meet the criteria specified in subsection (f)(2)(B) of this section, immediately manage
8 the CRT panel glass pursuant to subsection (f)(3) of this section.

9 (3) A universal waste handler shall ship the accumulated CRT glass for
10 reclamation at a CRT glass manufacturer or at a primary or secondary lead smelter in
11 accordance with subsection (f)(5) of this section, or ship the accumulated CRT glass for
12 disposal in accordance with subsection (f)(4) of this section.

13 (4) For disposal at a permitted hazardous waste disposal facility:

14 (A) Be deemed the generator of hazardous waste CRT glass;

15 (B) Manage the CRT glass as a hazardous waste in accordance with all
16 applicable requirements in chapters 12 through 16, 18, 20 and 22 of this division; and

17 (C) Notify the Department in accordance with 66273.74(a)(2).

18 (5) For reclamation at a CRT glass manufacturer or primary or secondary lead
19 smelter:

20 (A) If the CRT glass will be sent to an intermediate facility, prior to arranging for
21 transport of the CRT glass to the intermediate facility, make contractual arrangements
22 with the intermediate facility to ensure that the CRT glass is sent to the CRT glass
23 manufacturer or primary or secondary lead smelter identified by the universal waste
24 handler.

25 (B) Maintain onsite the following information:

26 1. The name, address, and telephone number of the transporter;

27 2. The name and address of the CRT glass manufacturer or primary or
28 secondary lead smelter;

29 3. If the CRT glass will be sent to any intermediate facility, the name, address,
30 and telephone number of the intermediate facilities and a description of the facilities'
31 activities;

32 4. Any copies of contractual arrangements made pursuant to subsection (f)(5)(A)
33 of this section, if applicable;

34 5. The quantity of CRT glass and the departure date of each shipment to any
35 intermediate facility, pursuant to subsection (f)(5)(A), if applicable; and

36 6. Confirmation receipts from the CRT glass manufacturer or primary or
37 secondary lead smelter indicating that CRT glass shipments were received no later than
38 90 days after the departure date specified in subsection (f)(5)(B)5. of this section.

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41 Note: Authority cited: Sections 25141, 25141.5, 25150, 25201, 25214.9, 25219.1 and
42 58012, Health and Safety Code; and Section 42475, Public Resources Code.

43 Reference: Sections 25141, 25141.5, 25150, 25159.5, 25173, 25201, 25212, 25214.9,
44 25219, 25219.1 and 25219.2, Health and Safety Code; Sections 42479, Public
45 Resources Code.
46

1 **Add** section 66273.80 of title 22 of the California Code of Regulations, to read:

2

3 **Article 8. Requirements for the Disposal of CRT Panel Glass**

4

5 **§66273.80. Applicability.**

6

7 (a) This article applies to a universal waste handler who manages CRT panel
8 glass pursuant to section 66273.75 for disposal within a CRT panel glass approved
9 landfill.

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12 Note: Authority cited: Sections 25141.5, 25150, 25214.9, and 58012, Health and Safety
13 Code. Reference: Sections 25141.5, 25150, 25159.5 and 25214.9, Health and Safety
14 Code.

15

1 **Add** section 66273.81 of title 22 of the California Code of Regulations, to read:

2

3 **§66273.81. Criteria for Determining CRT Panel Glass Eligible for Disposal.**

4

5 (a) CRT panel glass destined for disposal in a CRT panel glass approved landfill
6 shall meet the following criteria:

7 (1) The CRT panel glass shall not exhibit the RCRA hazardous waste
8 characteristic of toxicity.

9 (2) The CRT panel glass shall not exhibit the toxicity characteristic of a
10 hazardous waste by exceeding the Soluble Threshold Limit Concentration, as defined in
11 section 66260.10 and as specified in section 66261.24 of chapter 11 of this division.

12 (3) The CRT panel glass shall be identified as hazardous waste solely because it
13 exhibits the characteristic of toxicity only by exceeding the Total Threshold Limit
14 Concentration, as defined in section 66260.10 of chapter 10 and as specified in section
15 66261.24 of chapter 11 of this division.

16 (4) The CRT panel glass shall not exceed a Total Threshold Limit Concentration
17 of 30,000 mg/kg for lead.

18 (5) The CRT panel glass shall meet the land disposal restrictions treatment
19 standards specified in article 4 of chapter 18 of this division (e.g., the treatment
20 standard for lead containing wastes is 0.75 mg/L by use of Method 1311).

21 (b) In order to determine that CRT panel glass meets the criteria required by
22 subsection (a) of this section, a universal waste handler shall use the following
23 procedures:

24 (1) Sampling of the CRT panel glass shall be conducted in accordance to
25 sampling methods described in "Test Methods for Evaluating Solid Waste,
26 Physical/Chemical Methods," SW-846, 3rd edition, U.S. Environmental Protection
27 Agency, 1986, (incorporated by reference per section 66260.11 of chapter 10 of this
28 division) or one of the sampling methods listed in Appendix I, Chapter 11 of this division;
29 and

30 (2) Analysis of the CRT panel glass shall be conducted according to:

31 (A) Method 1311, as specified in "Test Methods for Evaluating Solid Waste,
32 Physical/Chemical Methods," SW-846, 2nd edition, U.S. Environmental Protection
33 Agency, 1982 (incorporated by reference per section 66260.11 of chapter 10 of this
34 division);

35 (B) Method 3052, as specified in "Test Methods for Evaluating Solid Waste,
36 Physical/Chemical Methods," SW-846, 3rd edition, U.S. Environmental Protection
37 Agency, 1996, (incorporated by reference per section 66260.11 of chapter 10 of this
38 division); and

39 (C) Waste Extraction Test (WET), as specified in Appendix II, Chapter 11 of this
40 division or an alternate test method approved pursuant to 22 CCR section 66260.21.

41 (c) A universal waste handler shall repeat the procedures required by subsection
42 (b) of this section as necessary to ensure the CRT panel glass meets the criteria as
43 specified in subsection (a) of this section. At a minimum, the procedures shall be
44 repeated when the universal waste handler is notified, or has reason to believe that the
45 concentration of hazardous constituents in the CRTs or treatment method generating

1 the CRT panel glass has changed to the extent that the certification required by
2 subsection (g) of section 66273.82 is no longer valid.

3 (d) A universal waste handler who claims CRT panel glass meets the criteria, as
4 specified in this section, shall maintain records that demonstrate that CRT panel glass
5 meets the criteria required by subsection (a) of this section. The records shall include
6 the following information:

7 (1) A description of the treatment method used to generate the CRT panel glass;

8 (2) Documentation of the analysis(es) and the sampling method(s) of the CRT
9 panel glass that identify and quantify all hazardous constituents, as specified in
10 subsection (b) of this section; and

11 (3) The frequency with which the procedures will be reviewed or repeated to
12 ensure that the analysis and sampling method are accurate and up to date.

13 (e) A universal waste handler shall immediately manage CRT panel glass that
14 does not meet all of the criteria specified in subsection (a) of this section pursuant to
15 subsection (f)(3) of section 66273.75.

16

17

18 Note: Authority cited: Sections 25141.5, 25150, 25214.9, and 58012, Health and Safety
19 Code. Reference: Sections 25141.5, 25150, 25159.5, 25179.6 and 25214.9, Health and
20 Safety Code.

21

1 **Add** section 66273.82 of title 22 of the California Code of Regulations, to read:

2

3 **§66273.82. Management of CRT Panel Glass Prior to Disposal.**

4

5 (a) A universal waste handler shall manage CRT panel glass that meets the
6 criteria specified in section 66273.81 and is destined for disposal in a CRT panel glass
7 approved landfill in accordance with the requirements of this section.

8 (b) The universal waste handler shall manage the CRT panel glass in
9 accordance with subsection (c)(1)(B) of section 66273.33.5.

10 (c) The universal waste handler shall clearly mark or label the accumulation
11 areas and/or containers used to contain the CRT panel glass with the words “Excluded
12 Hazardous Waste – CRT Panel Glass”.

13 (d) The universal waste handler shall not accumulate the CRT panel glass for
14 longer than 180 days from the date of generation.

15 (e) The universal waste handler shall provide personnel training to persons who
16 manage CRT panel glass for disposal in a CRT panel glass approved landfill, pursuant
17 to section 66273.36.

18 (f) The universal waste handler shall comply with the response to releases
19 requirements of section 66273.37.

20 (g) The universal waste handler shall submit a notification and certification to the
21 Department at least 60 days prior to the initial shipment of CRT panel glass.

22 (1) The notification shall include the following:

23 (A) Name(s), address(es), and telephone number(s) of the CRT panel glass
24 approved landfill(s) receiving the CRT panel glass shipment(s);

25 (B) A description of the CRT panel glass and how it was generated; and

26 (C) The ID number for the universal waste handler facility where the CRT panel
27 glass was generated.

28 (2) The certification shall be signed by an authorized representative of the
29 handler’s facility and shall state as follows:

30 “I certify under penalty of law that I have personally examined and am familiar
31 with the treatment technology and operation of the treatment process used to support
32 this certification. Based on my inquiry of those individuals immediately responsible for
33 obtaining this information, I believe that the treatment process has been operated and
34 maintained properly so as to generate CRT panel glass that meets the criteria specified
35 in section 66273.81 without impermissible dilution. I am aware that there are significant
36 penalties for submitting a false certification, including the possibility of fine and
37 imprisonment.”

38 (3) The universal waste handler shall submit the notification and certification
39 pursuant to subsection (f) of section 66273.74.

40 (h) If the concentration of hazardous constituents in the CRTs or the treatment
41 method generating the CRT panel glass changes to the extent that the certification
42 required by subsection (g) of this section is no longer valid or the CRT panel glass
43 approved landfill to receive the CRT panel glass changes, the universal waste handler
44 shall update the notification and certification and submit them to DTSC at least 60 days
45 prior to any subsequent shipment of CRT panel glass.

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2 Note: Authority cited: Sections 25141.5, 25150, 25173, 25214.9, and 58012, Health and
3 Safety Code. Reference: Sections 25141.5, 25150, 25159.5, 25173, 25179.6 and
4 25214.9, Health and Safety Code.
5

1 **Add** section 66273.83 of title 22 of the California Code of Regulations, to read:

2

3 **§66273.83. Tracking Shipments of CRT Panel Glass.**

4

5 (a) The universal waste handler shall keep a record of each shipment of CRT
6 panel glass sent from the universal waste handler's facility to a CRT panel glass
7 approved landfill. The record may take the form of a log, invoice, manifest, bill of lading,
8 or other shipping document. The record for each shipment of CRT panel glass managed
9 pursuant to this section shall include the following information:

10 (1) The quantity [weight] of CRT panel glass;

11 (2) The date of departure of the shipment of CRT panel glass;

12 (3) A copy of the notification and certification required by subsection (g) of
13 section 66273.82; and

14 (4) A copy of the notification and certification required by subsection (g) of
15 section 66273.82 signed by the CRT panel glass approved landfill owner or operator
16 pursuant to subsection (a)(2)(A) of section 66273.84.

17 (b) The universal waste handler shall retain each record described in subsection
18 (a) of this section for at least three years from the date of departure of the
19 corresponding shipment of CRT panel glass shipped to the CRT panel glass approved
20 landfill.

21 (c) The universal waste handler shall provide the person who transports the CRT
22 panel glass with at least two copies of the notification and certification described in
23 subsection (g) of section 66273.82, prior to each shipment of CRT panel glass being
24 transported offsite.

25

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27 Note: Authority cited: Sections 25141.5, 25150, 25214.9, and 58012, Health and Safety
28 Code. Reference: Sections 25141.5, 25150, 25159.5 and 25214.9, Health and Safety
29 Code.

30

1 **Add** section 66273.84 of title 22 of the California Code of Regulations, to read:

2

3 **§66273.84. Offsite Transportation.**

4

5 (a) A person who transports CRT panel glass that meets the criteria specified in
6 section 66273.81 to a CRT panel glass approved landfill shall comply with the
7 applicable requirements of subsections (b) and (c) of section 66273.51, sections
8 66273.52, 66273.53, 66273.54, subsection (b) of section 66273.55, and section
9 66273.56 and shall:

10 (1) Take two copies of the notification and certification required in subsection (g)
11 of section 66273.82 with the shipment of CRT panel glass;

12 (2) Upon relinquishing the CRT panel glass to a CRT panel glass approved
13 landfill:

14 (A) Obtain the dated signature of the owner or operator of the CRT panel glass
15 approved landfill on one copy of the notification and certification;

16 (B) Include on the signed copy a statement that the CRT panel glass was
17 received by the CRT panel glass approved landfill owner or operator;

18 (C) Keep the signed copy of the notification and certification; and

19 (D) Leave the other copy of the notification and certification with the owner or
20 operator.

21 (3) Within 30 days from receipt of the CRT panel glass by the CRT panel glass
22 approved landfill owner or operator, send a copy of the signed notification and
23 certification to the universal waste handler who initiated shipment of the CRT panel
24 glass pursuant to this article.

25

26

27 Note: Authority cited: Sections 25141.5, 25150, 25214.9, and 58012, Health and Safety
28 Code. Reference: Sections 25141.5, 25150, 25159.5 and 25214.9, Health and Safety
29 Code.

30

31