



General Assembly

Amendment

January Session, 2025

LCO No. 7522



Offered by:
SEN. MARTIN, 31st Dist.

To: Subst. Senate Bill No. 80

File No. 665

Cal. No. 354

"AN ACT CONCERNING THE BURNING OF MEDICAL WASTE."

1 After the last section, add the following and renumber sections and
2 internal references accordingly:

3 "Sec. 501. (NEW) (*Effective from passage*) (a) For purposes of this
4 section:

5 (1) "Continuous emissions monitor system" means a pollution
6 monitoring system capable of on-site sampling, conditioning and
7 analyzing that provides a record of emissions at frequent intervals, of
8 not less than once every two hours, and that meets United States
9 Environmental Protection Agency or Department of Energy and
10 Environmental Protection data acquisition and availability
11 requirements, as applicable.

12 (2) "Continuous sampling" means the long-term, year-round
13 sampling, on a back-to-back monthly basis using equipment and
14 procedures for automated sample collection, sample recovery and
15 analysis to determine air contaminant concentration or emission rate

16 through collection of a single sample or multiple integrated samples of
17 one or more air contaminants for subsequent on-site or off-site analysis.

18 (3) "Dioxins and furans" means tetra-through octa-chlorinated
19 dibenzo-p-dioxins and dibenzofurans.

20 (4) "Medical waste" means hospital waste or medical and infectious
21 waste, as defined in 40 CFR 60.51c, as in effect on January 1, 2025.

22 (5) "Treated" means medical waste that has been subjected to
23 autoclaving or other technology that reduces or eliminates the infectious
24 properties of such medical waste.

25 (b) The owner or operator of any municipal waste combustor that
26 burns untreated medical waste shall, throughout the first twelve months
27 of operations, comply with the following testing requirements at the
28 location where such untreated medical waste is burned:

29 (1) All burning of treated or untreated medical waste shall take place
30 in only one designated burner during such twelve-month period;

31 (2) All burners at such municipal waste combustor shall, during such
32 twelve-month period, use a continuous emissions monitor system to
33 separately test each burner's emissions of mercury and hydrochloric
34 acid as they are released after application of all other pollution control
35 devices;

36 (3) All burners at such municipal waste combustor shall, during such
37 twelve-month period, use continuous sampling to separately test each
38 burner's emissions of dioxins and furans as they are released after
39 application of all other pollution control devices. Such sampling shall be
40 conducted on a monthly basis. The data from such continuous sampling
41 shall be reported to the Commissioner of Energy and Environmental
42 Protection, in the fullest detail available, including, but not limited to,
43 reporting of speciated results and the reporting of the total by mass and
44 in toxic equivalents using the latest available toxic equivalency factors
45 from the World Health Organization. No parametric monitoring shall

46 be used in place of such continuous sampling;

47 (4) All burners at such municipal waste combustor during such
48 twelve-month period shall operate any pollution control devices that
49 affect the emissions of mercury, hydrochloric acid and dioxins and
50 furans as similarly as possible, with consistent operating conditions,
51 including the same carbon injection feed rate. All such relevant
52 operating conditions shall be recorded and disclosed to the public;

53 (5) The burner in which any treated or untreated medical waste is
54 combusted shall receive a consistent amount of treated or untreated
55 medical waste each day, representing the amount that is projected to be
56 burned at the facility in a typical year. The waste burned in the other
57 burners at such municipal waste combustor, as well as the remaining
58 waste combusted in the burner burning medical waste, shall be
59 representative of the mixture of municipal solid waste and any special
60 wastes, other than treated or untreated medical waste, that the facility
61 expects to burn long-term;

62 (6) The tonnage of each type of waste burned in each such municipal
63 waste combustor, including the tonnage of treated or untreated medical
64 waste combusted, shall be reported daily, per burner throughout such
65 twelve-month testing period to the Commissioner of Energy and
66 Environmental Protection;

67 (7) The continuous monitoring and sampling requirements described
68 in this subsection shall be conducted by an independent testing
69 company hired by the owner or operator of such municipal waste
70 combustor from a list of vendors approved by the Department of Energy
71 and Environmental Protection as being qualified to conduct such
72 testing. Such owner or operator may not choose a testing company with
73 which the owner or operator has had a financial relationship at any
74 point since January 1, 2020; and

75 (8) The owner or operator of such municipal waste combustor shall
76 cause the independent testing company, described in subdivision (7) of

77 this subsection, to publicly disclose all test result data required by this
78 subsection to a public web site, as well as to the Department of Energy
79 and Environmental Protection not later than twenty-four hours after
80 such data becomes available."

This act shall take effect as follows and shall amend the following sections:		
Sec. 501	<i>from passage</i>	New section