

Appendix F

Emissions Reductions from California's Landfill Methane Regulation Beyond the Emission Guidelines

As illustrated in the following table, ARB estimates that in addition to the methane reductions that could be realized with implementation of the Guidelines, the LMR regulates an additional 30 landfills in California, resulting in an additional 91,193 metric tons of CO₂e per year¹ of GHG reductions.

These additional emission reductions in emissions were calculated by first listing the landfills that have installed controls² and are in compliance with the LMR, but do not have to have controls per 111(d) requirements. Emissions reductions from landfills that had controls installed prior to the LMR, but are subject to LMR were calculated by assuming the difference between 75 percent control and the required 80 percent control under LMR. Emissions reductions from landfills that installed controls under LMR and are not required to be controlled by 111(d) were calculated as the difference from no controls to an 80 percent control.³ If controls are installed, but are not being used, no emission reductions were calculated, but the facility was listed.

¹ Based on 2015 emission inventory.

² Note: There are two landfills that either installed controls in 2016 or are in the process of installing controls. No emission reductions were calculated based on 2015 data, but were counted in the number of additional facilities subject to the LMR controls but not subject to controls under 111(d).

³ Note: BKK West Covina (which receives both household waste and hazardous waste) was credited with the additional controls only for the Class III landfill as class I landfills are exempt from LMR.

**EMISSION REDUCTIONS FROM CALIFORNIA'S LANDFILL METHANE REGULATION BEYOND THE
FEDERAL EMISSION GUIDELINES**

CIWMB SWIS File Number	Facility/Site Name	2015 WIP	Year LFG Capture	Control (TTD)	Rule 111 Status	<i>LMR CH4 Reductions (Above 75% CE) MTCO2e</i>
19-AF-0001	BKK West Covina (includes additional reductions only for Class III LF)	27000000	1990	Controlled	Doesn't need controls per EPA	26788.61
43-AA-0004	Pacheco Pass LF	2060482	1994	Controlled	Doesn't need controls per EPA	2611.18
37-AA-0005	Ramona LF	1808621	1997	Controlled	Doesn't need controls per EPA	1795.55
17-AA-0001	Eastlake SLF (include all reductions, no prior controls)	1718500	2012	Controlled	Doesn't need controls per EPA	26870.05
01-AA-0006	Davis Street	4800000	1990	Controlled	Doesn't need controls per EPA	1603.35
44-AA-0002	City of Watsonville	1343651	1997	Controlled	Doesn't need controls per EPA	1434.69
43-AA-0007	Sunnyvale LF	2300000	1991	Controlled	Doesn't need controls per EPA	1423.77
09-AA-0003	Union Mine DS	1515222	1997	Controlled	Doesn't need controls per EPA	1400.23
15-AA-0062	Tehachapi SLF	1639051		Controlled	Doesn't need controls per EPA	1343.38
10-AA-0004	Clovis LF	1538023	2006	Controlled	Doesn't need controls per EPA	1135.06
42-AA-0017	Lompoc LF (No reductions, controls installed in 2016)	1181422	2002	Controlled	Doesn't need controls per EPA	0.00
10-AA-0025	Chestnut Ave DS	1000000	1998	Controlled	Doesn't need controls per EPA	1067.86
33-AA-0009	Mead Valley DS	2500000	1995	Controlled	Doesn't need controls per EPA	996.14
05-AA-0023	Rock Creek LF (include all reductions, no prior controls)	903380	2013	Controlled	Doesn't need controls per EPA	12954.74

CIWMB SWIS File Number	Facility/Site Name	2015 WIP	Year LFG Capture	Control (TTD)	Rule 111 Status	<i>LMR CH4 Reductions (Above 75% CE) MTCO2e</i>
33-AA-0008	Double Butte DS	3000000	1994	Controlled	Doesn't need controls per EPA	724.47
23-AA-0019	City of Ukiah SWDS (No reductions, Control being installed)	750000	2004	Controls to be installed	Doesn't need controls per EPA	0.00
29-AA-0001	Mc Courtney Rd LF	1000000	1991	Controlled	Doesn't need controls per EPA	666.10
12-AA-0005	Cummings Road LF	1584232	1997	Controlled	Doesn't need controls per EPA	654.95
10-AA-0011	Southeast Regional	1300000	1998	Controlled	Doesn't need controls per EPA	616.84
49-AA-0004	Healdsburg	500000	1994	Controlled	Doesn't need controls per EPA	505.91
27-AA-0003	Lewis Rd. LF	500000	1997	Controlled	Doesn't need controls per EPA	460.53
18-AA-0009	Bass Hill LF	519588		Controlled	Doesn't need controls per EPA	444.05
39-AA-0005	Corral Hollow	750000	2003	Controlled	Doesn't need controls per EPA	405.82
44-AA-0003	Ben Lomond WDS	750000	1994	Controlled	Doesn't need controls per EPA	401.02
31-AA-0560	Eastern Regional LF	500000	1994	Controlled	Doesn't need controls per EPA	308.08
15-AA-0055	Kern Valley LF	250000	2003	Controlled	Doesn't need controls per EPA	228.50
42-AA-0011	Foxen LF	746347	2006	Controlled	Doesn't need controls per EPA	224.42
33-AA-0017	Blythe DS (Collection & Controls, but no controls being used ATT)	965726	1997	Controlled	Doesn't need controls per EPA	0.00
15-AA-0063	McFarland-Delano LF	1000000	2000	Controlled	Doesn't need controls per EPA	107.35
34-AA-0020	L & D LF	4737864	2004	Controlled	Doesn't need controls per EPA	4021
						91193