

17th Technical Training Series



April 3-6, 2017 · Long Beach Hyatt
200 South Pine Avenue · Long Beach, California, 90802



Land Application CalRecycle Regulations

17th Technical Training Series
Long Beach Hyatt
Long Beach, California

April 5, 2017

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Department of Resources Recycling and Recovery (CalRecycle)

Land Application



Land Application



Disposal of compostable materials does not include Land Application.

Land Application



Land Application

- Land application means the final deposition of compostable material and/or digestate spread on land. The material must meet limits on:
 - Effective **January 1, 2016**:
 - Maximum metal concentrations and pathogen density
 - Application frequency and depth
 - Effective **January 1, 2018**:
 - Physical contaminants



Land Application

- Maximum metal concentrations
 - Same as existing compost requirements: Arsenic, Cadmium, Chromium*, Lead, Mercury, Nickel, Selenium*, and Zinc
- Pathogen Density Limits
 - Same as existing compost testing requirements: fecal coliform and Salmonella sp.
 - Does not require time/temperature requirements (e.g., 131°F for 15 days)



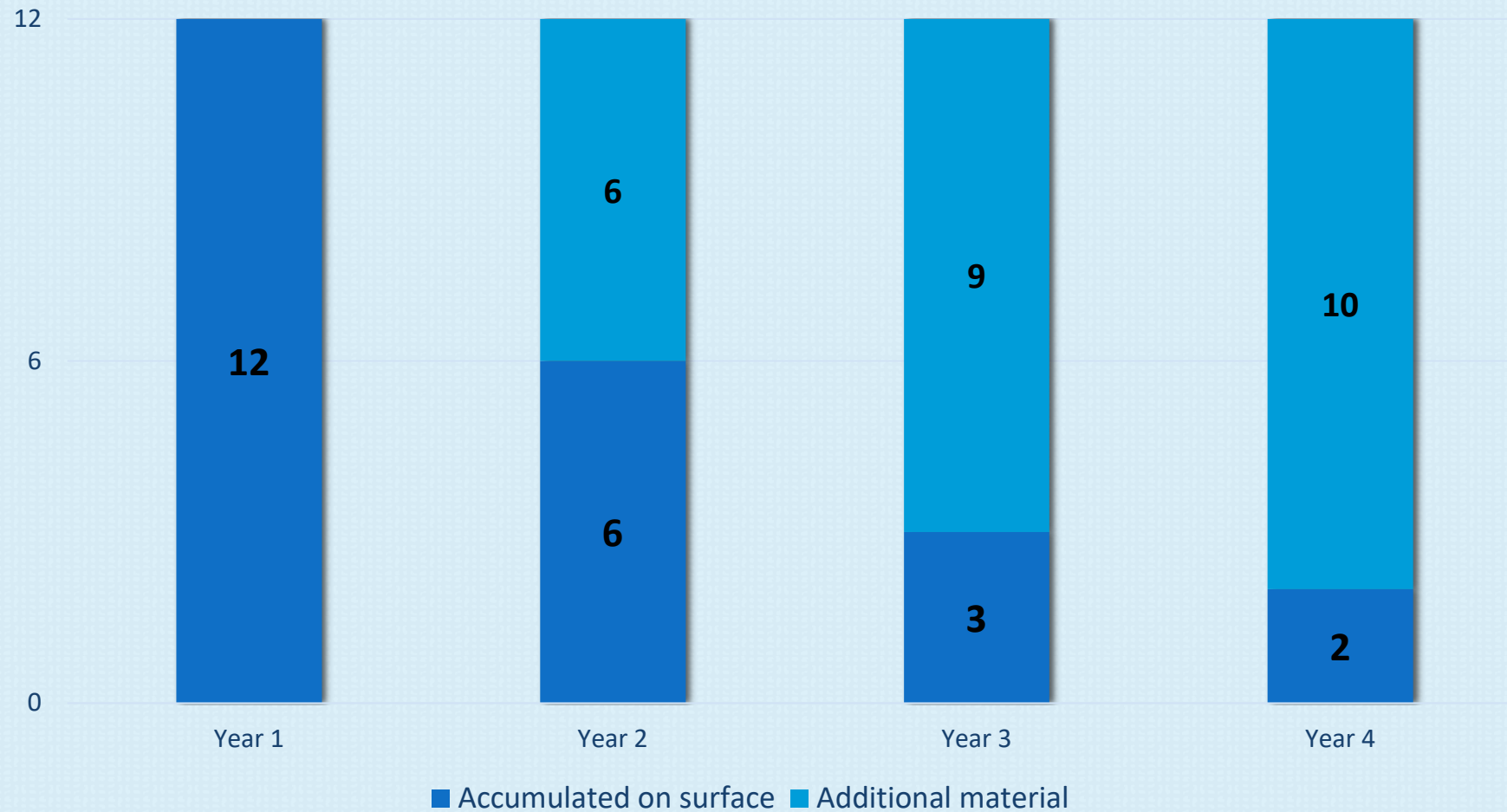
Land Application

- **Frequency and Depth limits**

ZONING	FREQUENCY	DEPTH	ALTERNATIVES	
			<i>With EA Approval in Consultation With</i>	
			RWQCB	CDFA*
Land <u>NOT</u> zoned only for agricultural uses	≤ 1 per 12-month period	≤ 12 inches accumulated on surface	X	
Land zoned only for agricultural uses	≤ 3 per 12-month period	≤ 12 inches accumulated on surface	X	X

* CalRecycle coordinates EA requests for consultation

Land Application



Land Application

Verification of compliance with the requirements must be provided to the EA upon request.



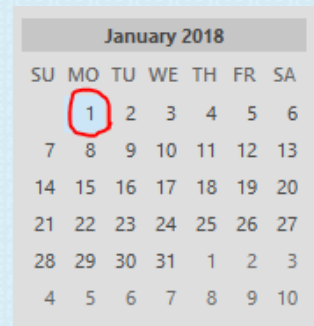
Land Application

- **Exceptions**

- Compost (produced in compliance with regulations)
- Gardening or landscaping on a parcel of land 5 acres or less
- Federal, State, or local government entity land application
- Beneficial reuse at landfill
- Agricultural by-products material as authorized by SWRCB or RWQCB
- Beneficial reuse of biosolids per Federal and State requirements

Summary

- Land Application: material must meet limits on:
 - Effective **January 1, 2016:**
 - Maximum metal concentrations and pathogen density
 - Application frequency and depth
 - Effective **January 1, 2018:**
 - Physical contaminants



January 2018

SU	MO	TU	WE	TH	FR	SA
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31	1	2	3
4	5	6	7	8	9	10

Questions?