

Leslie Tamminen/Water Quality Mid-Atlantic Governors Ocean Summit

June 4, 2009

New York, New Jersey,
Delaware, Virginia, and Maryland







World Ocean



Algalita Marine Research Foundation







CALIFORNIA REPUBLIC



- An Implementation Strategy for the California Ocean Protection Council Resolution to Reduce and Prevent Ocean Litter, November 20, 2009.

<http://www.opc.ca.gov>

- Resolution of the California Ocean Protection Council On Reducing and Preventing Marine Debris, February 8, 2007.

<http://www.opc.ca.gov/?p=310>

Total Maximum Daily Loads for Trash



Los Angeles Times Photo. By Rick Meyer (January 22, 2001)

Narrative Objectives for Trash

- “Waters shall not contain floating materials including solids, liquids, foams, and scum in concentrations that cause nuisance or adversely affect beneficial use.”

And

- “Waters shall not contain suspended or settleable material in concentrations that cause nuisance or adversely affect beneficial uses.”

TMDL Elements

- Numeric Targets
- Assimilative Capacity
- Waste Load Allocations
- Implementation Plan
- Monitoring
- Means of Compliance

Waste Load Allocations

- Municipal Stormwater Permit
 - By Area x Default Generation Rate
 - Applied at end of storm drain
- No allocation to non-point sources

Trash Generation Rates by Land Use

- Residential
- Commercial
- Industrial
- Transportation and Utilities
- Mixed Urban
- Open Space and Recreation
- Agriculture
- Water

Trash Reduction Schedule

Year	Baseline Monitoring	Implementation	Waste Load Allocation	Compliance Point
1	Yes	Not Required	None	No compliance point.
2	Yes	Not Required	None	No compliance point.
3 10/1/03- -9/30/04	(optional)	Year 1	90% of Baseline	No compliance point.
4 10/1/04- -9/30/05	(optional)	Year 2	80% of Baseline	No compliance point.
5 10/1/05- -9/30/06	No	Year 3	70% of Baseline	First compliance point

Means of Compliance

- Anti-litter campaign and good house keeping
- Partial capture devices in storm drain catch basins
- Full capture devices in storm drain systems

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2009 California Marine Debris Legislation

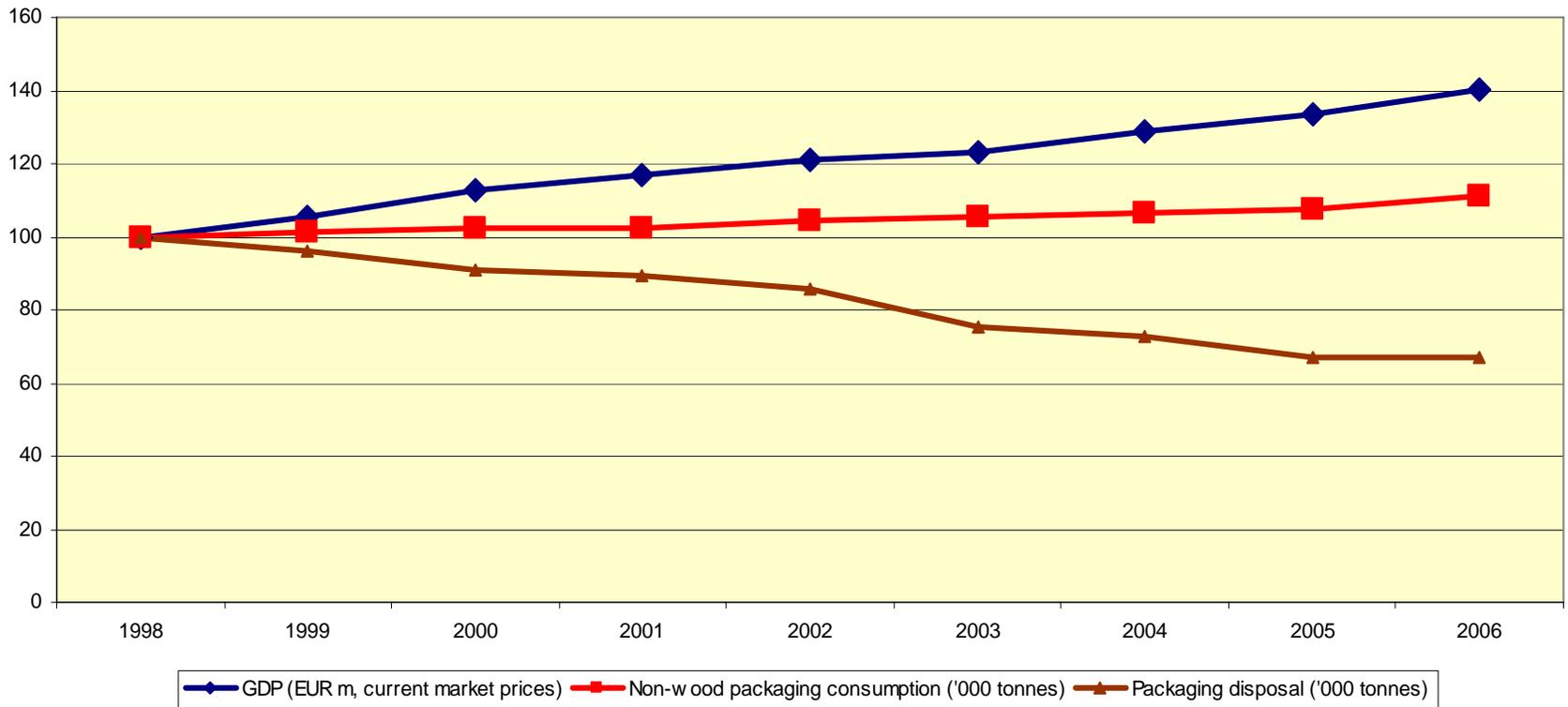
- Smoking Ban
- Derelict Fishing Gear
- Single Use Plastic Bag Fee
- “Leash the Lid” (attached plastic beverage bottlecaps)
- Polystyrene Fee or Ban
- BPA ban
- Extended Producer Responsibility

www.cleanseascoalition.org

EUROPEAN:

Trends in GDP, packaging consumption and packaging disposal in EU-15, 1998-2006

Economic Growth Decoupled From Packaging Generation





Nurdles--AB 258 (Chapter 5.2 commencing with Section 13367 to Division 7 of the CA Water Code)



Funding





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Enforcement





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