



SAN FRANCISCO
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Sanitary Sewer Overflows

San Francisco Bay Regional Water Quality Control Board
November 12, 2008



San Francisco Bay Spills

Collection System Spills (5/2/2007-5/2/2008)

- 2,130 spills reported to CIWQS
- 12.5 million gallons

Treatment Plant Spills (5/2/2007-5/2/2008)

- not publicly available on CIWQS

Blended Discharges (5/2/2007-5/2/2008)

- unknown



Baykeeper Enforcement



Vallejo (1996)

PROBLEM: 100,000,000 ga. spilled

RESULT: No capacity-related spills

Richmond (2005)

PROBLEM: Spill rate \approx 60; 20,000,000 gal. spilled

RESULT : Spill rate \leq 5; \$25 mill. in capital improvements

EBMUD (2005)

PROBLEM: WWF do not meet federal standards.

RESULT : 4 yrs to evaluate treatment, storage, and I&I reduction options

Baykeeper Enforcement



Burlingame (2007)

PROBLEM: Spill rate ≈ 30 ; illegal shallow outfall

RESULT: Spill rate ≤ 5 ; NO shallow outfall discharges; reduce satellite peak flow

Burlingame Satellites (2008)

- Hillsborough
- Burlingame Hills Sewer District

Recommendations



“Regional Water Boards may issue more stringent or more prescriptive WDRs for sanitary sewer systems.”

State Water Resources Control Board Order No. 2006-0003-DWQ

Collection Systems



NPDES Permit for Collection Systems

Quantification of satellites' peak wet weather flow (§ 13267)

Incentives for “sewershed” assessment and planning (funding)

Lateral Lines

Reporting

Public education & outreach

Authority to require inspection and replacement



Blending

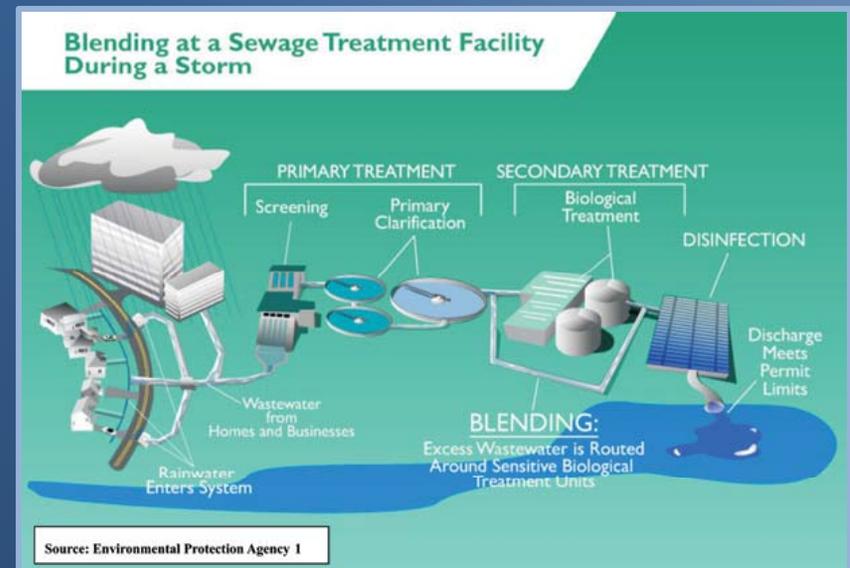
“EPA strongly discourages reliance on peak wet weather flow diversions around secondary treatment units [blending] as a long-term wet weather management approach.”

EPA Wet Weather Policy

Who blends & how much?

Reporting of volume & frequency
(§ 13267)

Monitoring for all pollutants
(§ 13267)



Thank you

