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# **SEWER SMART SUMMIT OCTOBER 27, 2009**

**CLEAN WATER ACT LAWSUITS  
AND YOUR AGENCIES**



# **SANITARY SEWER OVERFLOW SETTLEMENT**

## **SETTLEMENT AGREEMENT “HIGH POINTS”**

**Consists of the following elements with the goal of reducing Sanitary Sewer Overflows and the Use of the City’s Engineered Overflow Weir:**

- **Analysis of Wastewater Collection System Condition**
  - CCTV
  - Rating of Collection System Condition
  - Prioritization of CIP
    - Based on Condition Assessment
    - Goal of Reducing I&I to greatest extent
    - Consideration of Tide Influence



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- **SYSTEM EVALUATION AND CAPACITY ASSURANCE PLAN**
  - **Revise within 18 months (done)**
  - **Update Every five years**
  - **Continue CCTV-Sewer Condition Grading (defect rating matrix)**
  - **Gravity Sewer Line Cleaning Schedule**
    - **Entire system once every 4 years**
  - **Design for 10 year-24/hr Storm Event (2012)**
  - **Continue FOG Program**



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### Secure and Commit Capital \$\$ for Collection System Improvements

- **City of Richmond Committed to Investing \$20 M**
  - **Must be spent within the first 5 years of the settlement**
  - **Report must be submitted to Baykeeper’s as to the potential for additional CIP funding including a plan to procure funds**



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## SETTLEMENT AGREEMENT “HIGH POINTS”

- **Measure of Success**
  - **SSO Reduction**
  - **Eliminate the use of Engineered Overflow Weirs\*\***

\*\* Engineered Overflow Weir allows discharge of dilute raw wastewater during peak wet weather rain events.

COR SSO Reduction Goals	
Year	SSO/100 miles
2007	58 (114)
2008	52 (102)
2009	44 (86)
2010	38 (75)
2011	33 (65)
2012	25 (49)
2013	17 (33)
2014	13 (26)
2015	8 (16)
2016	5 (10)



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- **Stormwater System Evaluation:**
  - **City of Richmond to Update and Enhance Stormwater Enforcement Plan and Ordinances**
  - **Conduct Study to Identify Locations of Highest Pollutant Loads**
    - **Industrial Areas**
    - **Commercial Areas**
    - **Residential Areas**
  - **Develop CIP with the Goal of Reducing Pollutant Loading in High Load Areas/Watersheds**



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## SUPPLEMENTAL ENVIRONMENTAL PROJECTS CITY OF RICHMOND

- Fund Private Lateral Sewer Replacement Grant
  - \$100,000 per FY for 10 years (\$1.0M)
  - Allow up to \$3,000 Towards a full Lateral Replacement
- Grant Program
  - Total Prior FY - \$300,000
  - FY 09/10 - \$90,100 (to date)
  - No. of grants given paid out to date: 185



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## Settlement effects on City of Richmond

- Attention of City Management and Elected Officials
- Justification for Infrastructure Improvement CIP
- Significant Capital Expenditure in System Improvements
- Reduction in SSO's
- Increased Accountability
- Improved Planning Efforts
- Improved Record Keeping
- Development of Sewer MasterPlan



# QUESTIONS

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