

SANTA ROSA WATER LOCAL LIMITS BPU UPDATE

August 16, 2018 Council Chambers
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Environmental Compliance
Supervisor



OUR FUTURE IN EVERY DRÖP



INVENTORY CHANGE

- 1990

- 2018



ADDITIONAL CHANGES

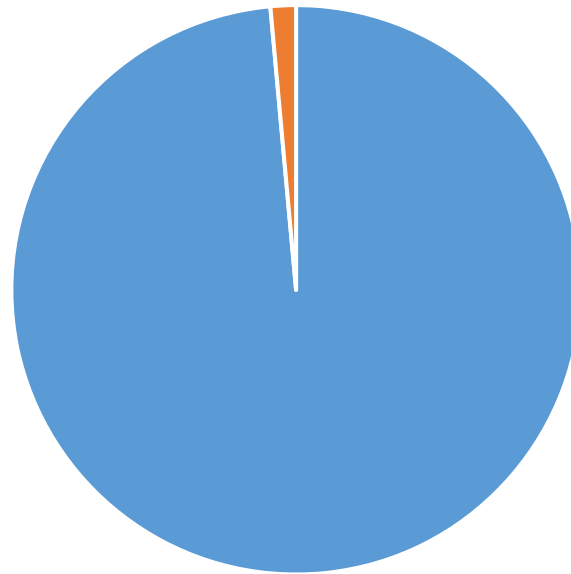
- Sonoma County Water Agency implemented corrosion control to reduce metals- copper and zinc.
- Industry technology and product substitution
- Business Water Conservation



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CHANGE IN FLOWS

Now Industrial Flow is 1.44 % of Total Flow,
A decrease from 2.71% in 1990



■ Residential 98.6

■ Industrial 1.4

REGULATION STRATEGY

EPA Program

- Categorical Limits
- Local Limits Study for Pollutants of Concern
- Prohibitions

Local Program

- Local Limits
- Sur Charge
- Best Management Practices
- Prohibitions



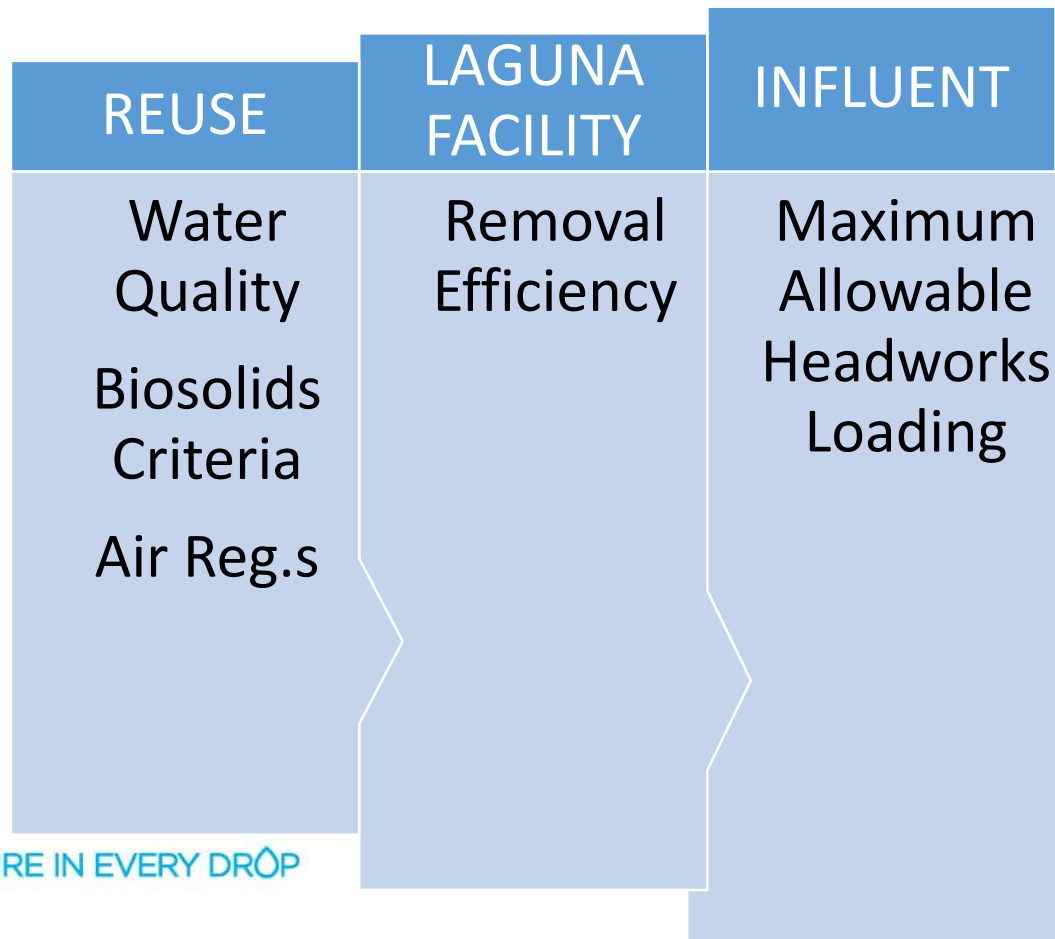
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LOCAL LIMITS METHOD

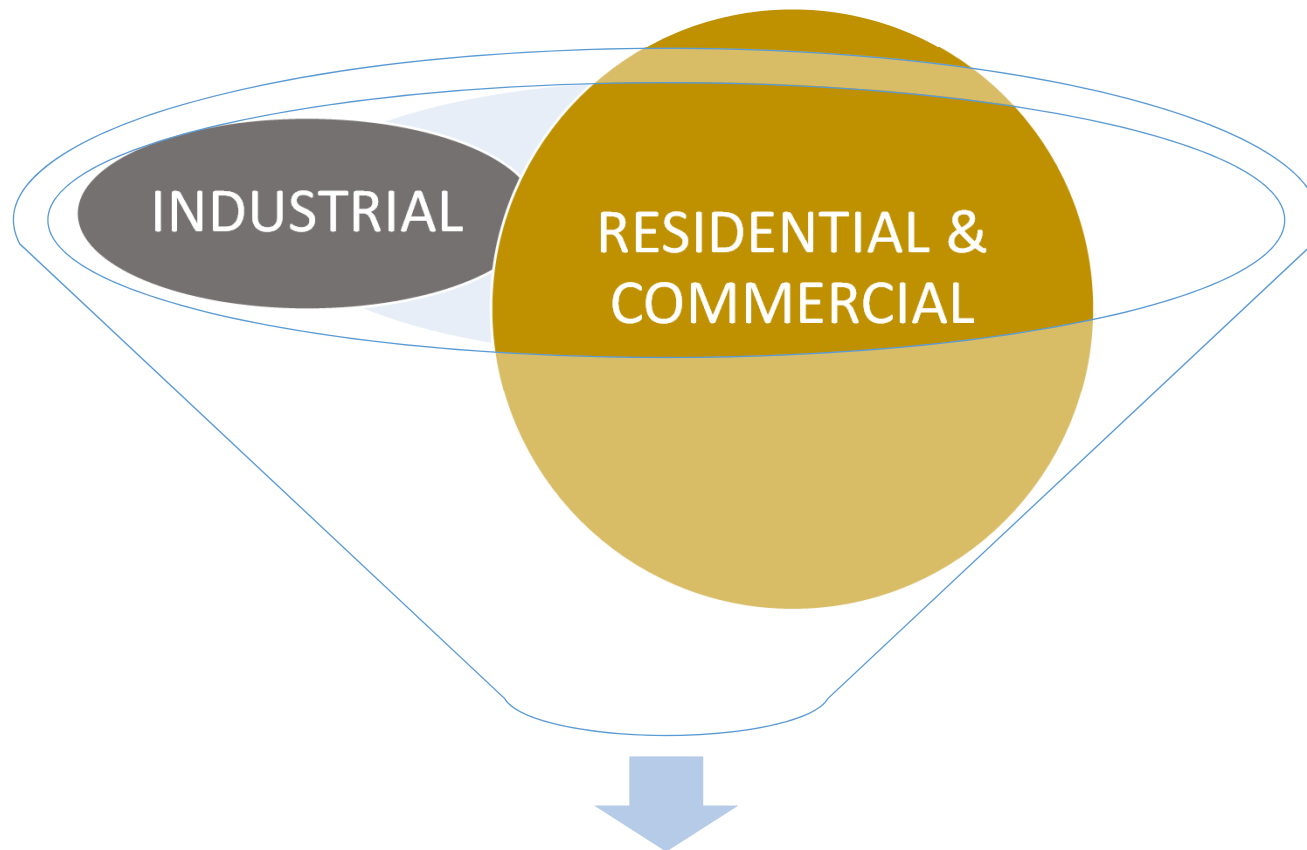
Use Criteria



LOCAL LIMIT METHOD REMOVAL EFFICIENCY

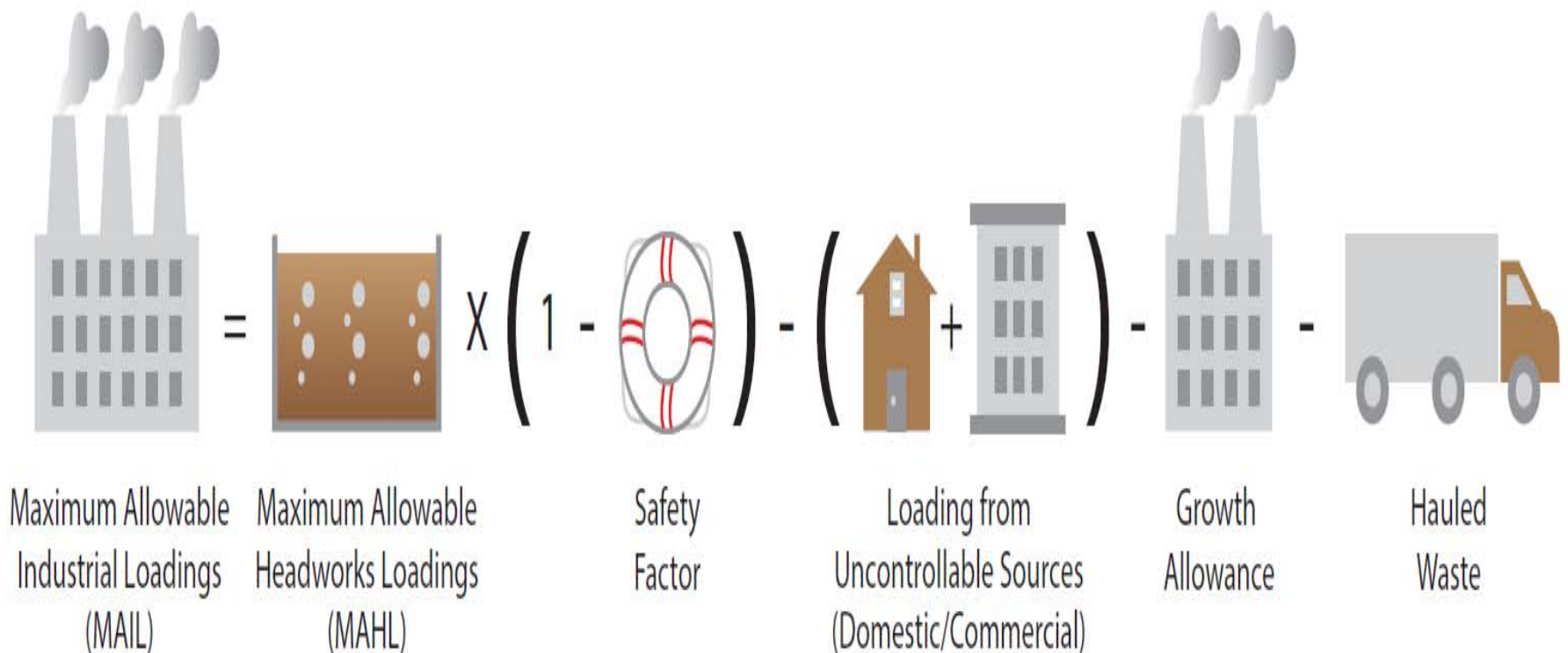


MAXIMUM ALLOWABLE HEADWORKS LOAD



LOCAL LIMIT METHOD

Maximum Allowable Industrial Load



NO CHANGE

- Total Dissolved Solids
- Arsenic, Cyanide & Lead
- Mercury
- Total Chromium

CHANGE - INCREASED

- Cadmium 0.04 to 0.2 mg/L
- Copper 0.2 to 1 mg/L
- Nickel 1.51 to 3.0 mg/L
- Silver 0.17 to 0.5 mg/L
- Zinc 1.63 to 2.0 mg/L

CHANGE - REMOVE

- Biochemical Oxygen Demand, Total Suspended Solids & Total Kjeldahl Nitrogen
- Antimony, Beryllium & Thallium
- Hexavalent Chromium (included in Total)
- Selenium- not present in appreciable levels.

CHANGE LITERATURE BASED LOCAL LIMITS

- pH: 5.0 – 12.0 to Federal Standards
- Remove Total Toxic Organics
- Correct Site Specific Limits
 - Gas and Diesel
 - Halogenated Organics
 - BTEX



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NEXT STEPS

- Submit to the North Coast Regional Board Board/Environmental Protection Agency
- Board of Public Utilities – Ordinance Changes

QUESTIONS



CONNECT WITH US!

CALL: 707.543.4200

EMAIL: SRWATER@SRCITY.ORG

VISIT: SRCITY.ORG/WATER



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