

SANTA ROSA WATER LOCAL LIMITS BPU UPDATE

August 16, 2018 Council Chambers
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Environmental Compliance
Supervisor



OUR FUTURE IN EVERY DROP



INVENTORY CHANGE

- 1990

- 2018

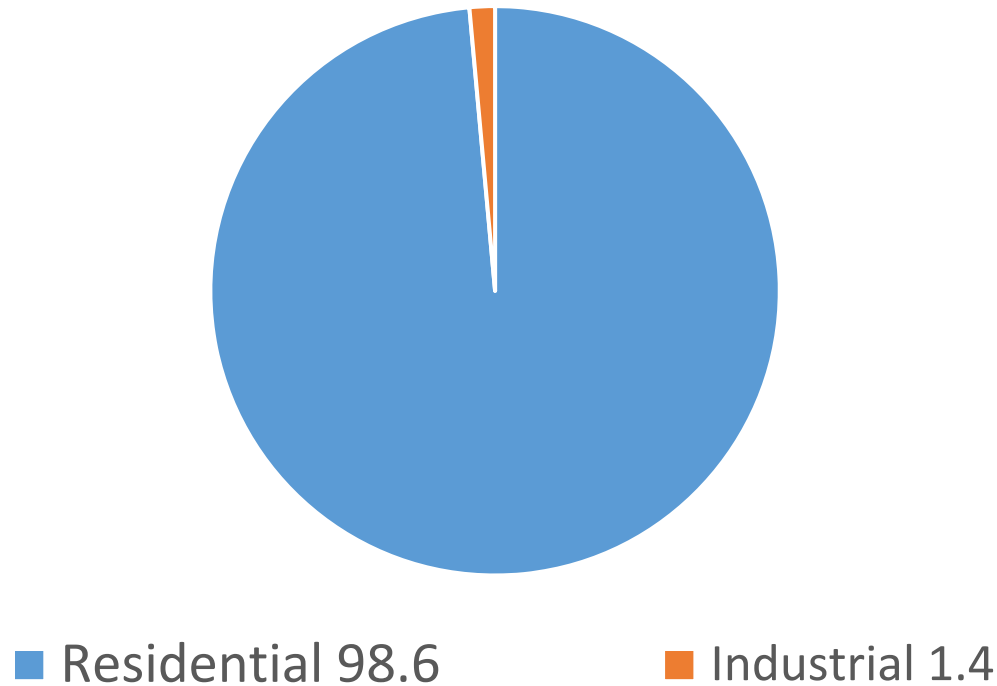


ADDITIONAL CHANGES

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

CHANGE IN FLOWS

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



REGULATION STRATEGY

EPA Program

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

Local Program

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

LOCAL LIMITS METHOD

Use Criteria



Title 22 Drinking Water



Land Application

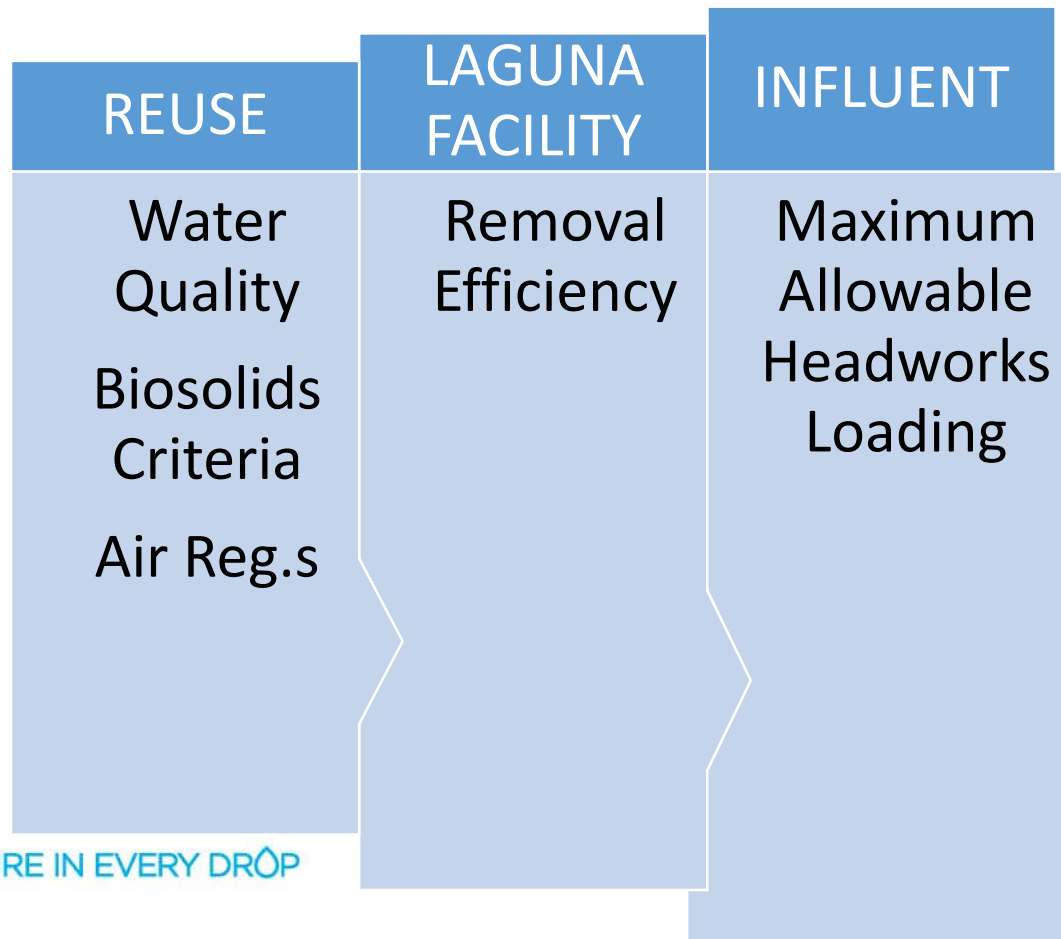


Geyser's Standards

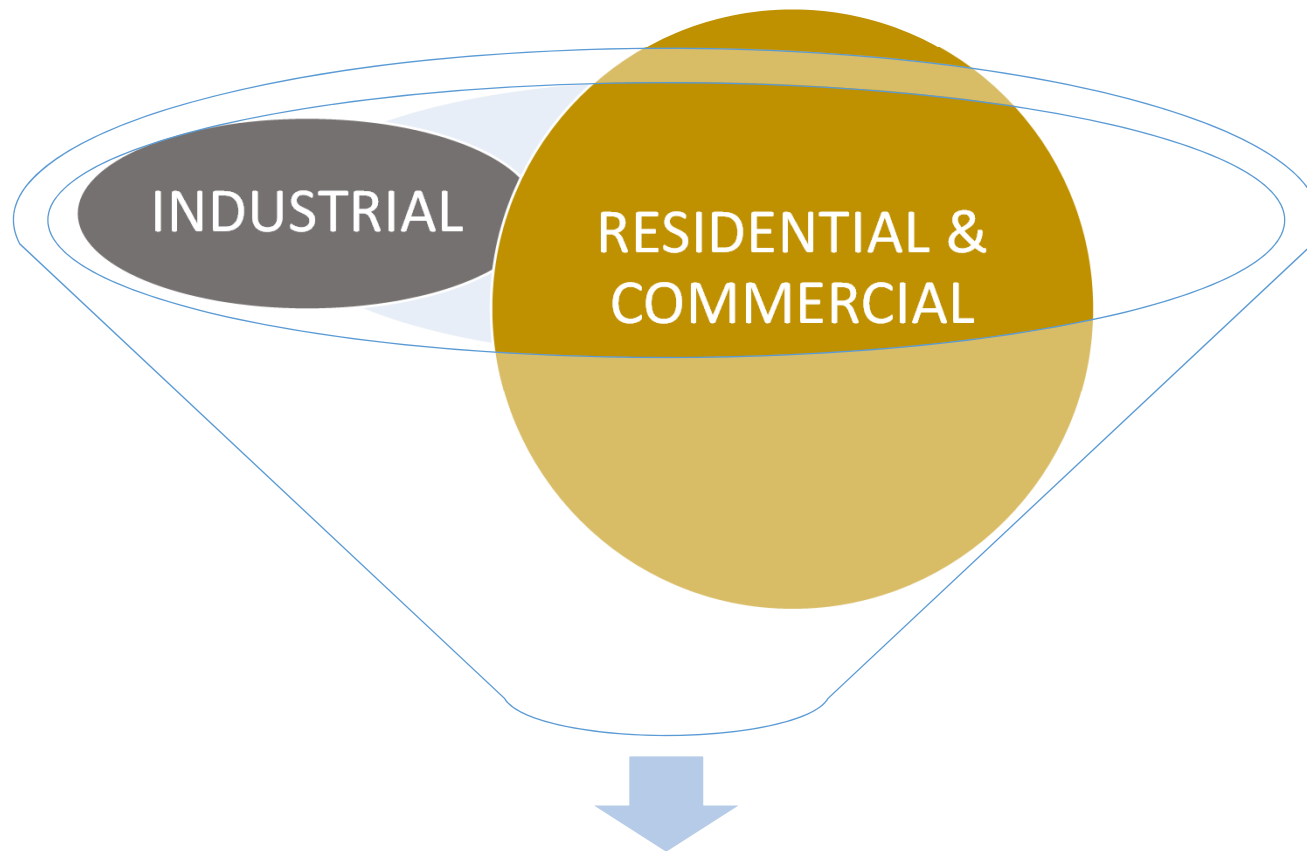


Discharge Criteria

LOCAL LIMIT METHOD REMOVAL EFFICIENCY

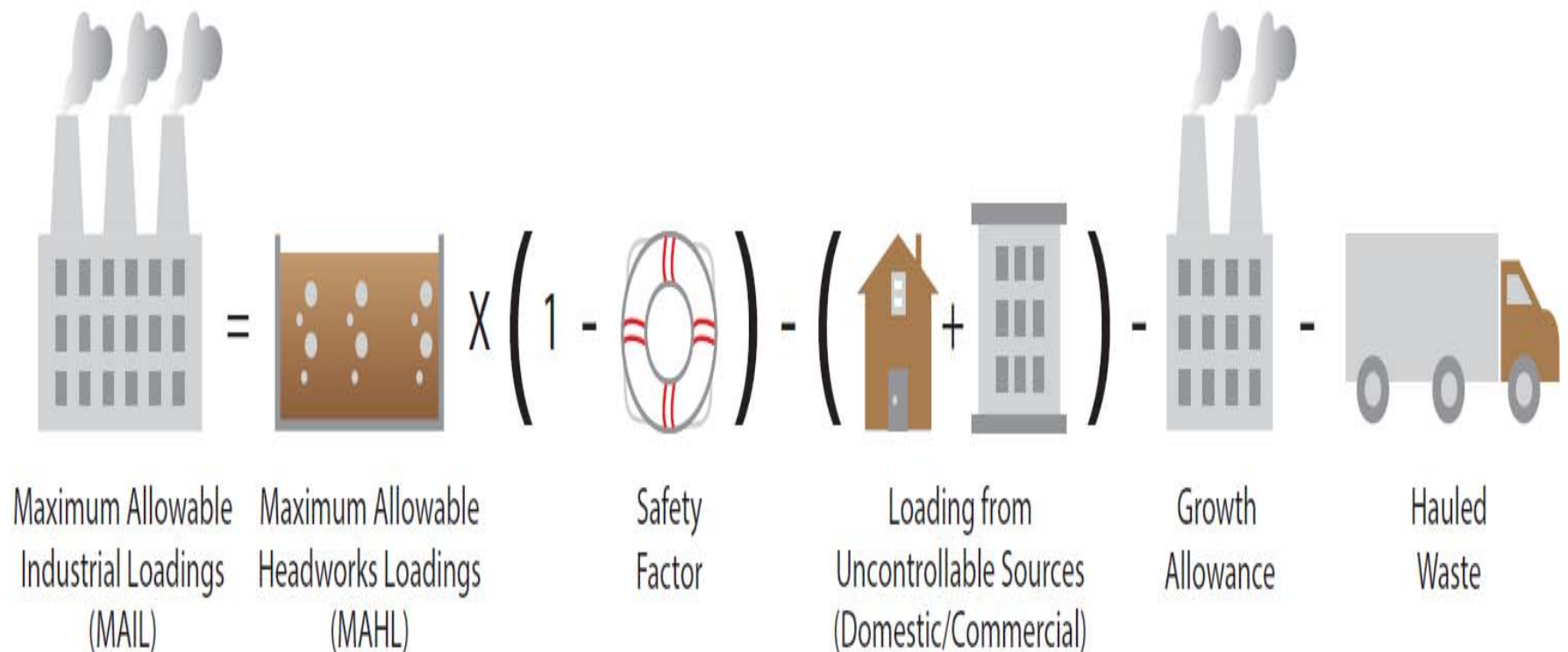


MAXIMUM ALLOWABLE HEADWORKS LOAD



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

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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