

KCIW's Industrial User Survey

King County Industrial Waste Program Seattle, Washington



King County

Department of
Natural Resources and Parks

Wastewater Treatment Division

Industrial User Survey Project Plan

Step 1
Understand
the intent
and value of
survey

Step 2
Compile
and
prioritize
list

Step 3
Create &
test survey
materials

Conduct
survey

Step 4
Follow up
with
businesses

Step 5
Summarize
Results

Step 6
Report to
Ecology by
end of 2016

Step 7
Develop
procedures
for
updating IU
Survey

January
2015

We are
here



Compile list

Start with list of 80,000 businesses –
remove 10,000 businesses already
regulated & restaurants

Remove 46,000 low risk
businesses

Select 24,000
businesses for
survey

Prioritize

Conduct survey that encourages maximum response

- On-line survey (paper available on request)
- English, Korean (9), Russian (1), Chinese, Spanish (3), Vietnamese (1)
- Mailed survey packet to 24,000 businesses
 - Letter
 - Survey log-on information
 - KCIW web page address for more information
 - Pretreatment and Hazardous waste Notification requirements
 - Survey instructions





Questions for every company

- Company name & contact information
- Checklist – Business categories and Federal Categorical Industrial processes
- On-site materials / amounts / discharge to sewer
 - Acids/caustics → 55 gallons or more?
 - Solvents → 10 gallons or more?
 - Liquid soaps or detergents → 275 gallons or more?
- No process water? Sign and submit.

Additional questions for those who discharge process water

- Daily discharge volume – estimate or use sewer bills
- Water purpose
 - Contact cooling
 - Cleaning
 - Process water
 - Stormwater
- Pretreatment processes – checklist
- Signature



36 percent response rate

- 24,000 Initial mailing
 - March 9, 2016
 - 4,000 undeliverable
 - 3,000 duplicate mailings, already permitted, closed...
- 17,000 possible responses
- 6,000 completed



Prioritize for follow up

1400 Priority Level 1

1200 Priority Level 2

14,000 Priority Level 3

SIC Code	Description
3325-02	Foundries-Steel (Mfrs)
3599-03	Machine Shops (Mfrs)
3679-01	Electronic Equipment & Supplies-Mfrs
2499-98	Wood Products NEC (Mfrs)
3089-02	Plastics & Plastic Products (Mfrs)
5146-01	Seafood-Wholesale

SIC Code	Description
7349-02	Janitor Service
2711-01	Newspapers (Publishers/Mfrs)
5169-16	Chemicals (Whls)
1791-04	Metal Fabricators
8041-01	Chiropractors DC
8093-08	Surgical Centers

Follow up with unresponsive businesses

- Follow-up 2,600 “priority 1 and 2” businesses
 - Primary driver – determine regulatory status/permit requirements
 - With follow-up, over 80 percent response rate from this group!
- No follow-up for 14,000 “priority 3” businesses
 - Primary driver – notify business of pretreatment and hazardous waste reporting requirements

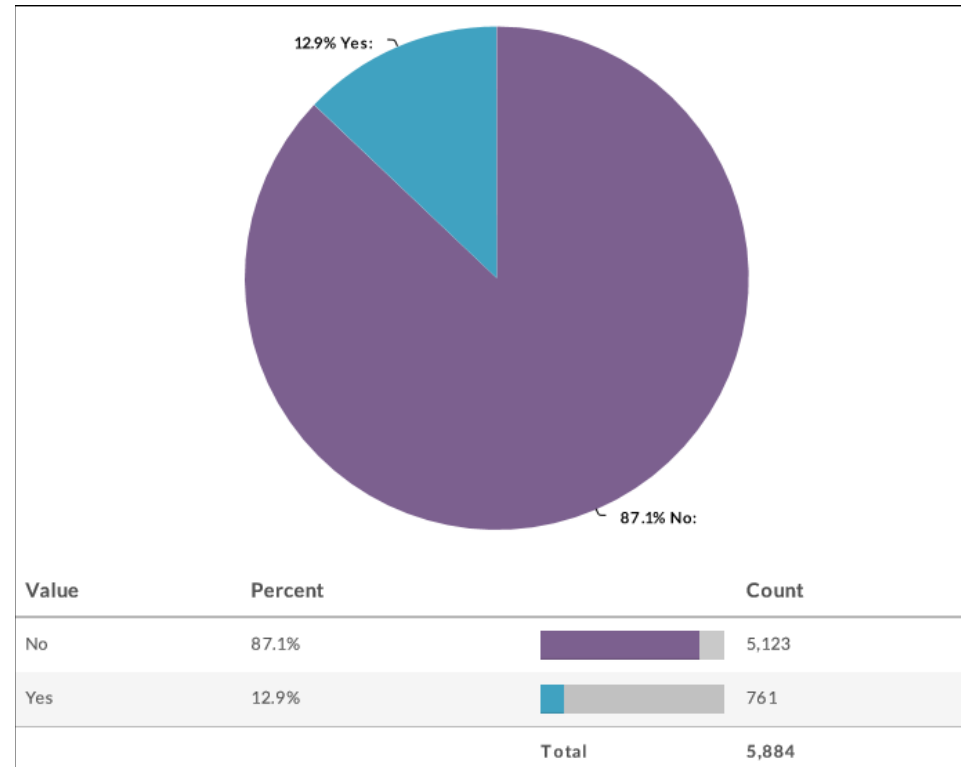
King County Industrial Waste Program – Notification of Regulations for Businesses

Many regulations govern the wastewater treatment process. King County is required to inform you of the following:

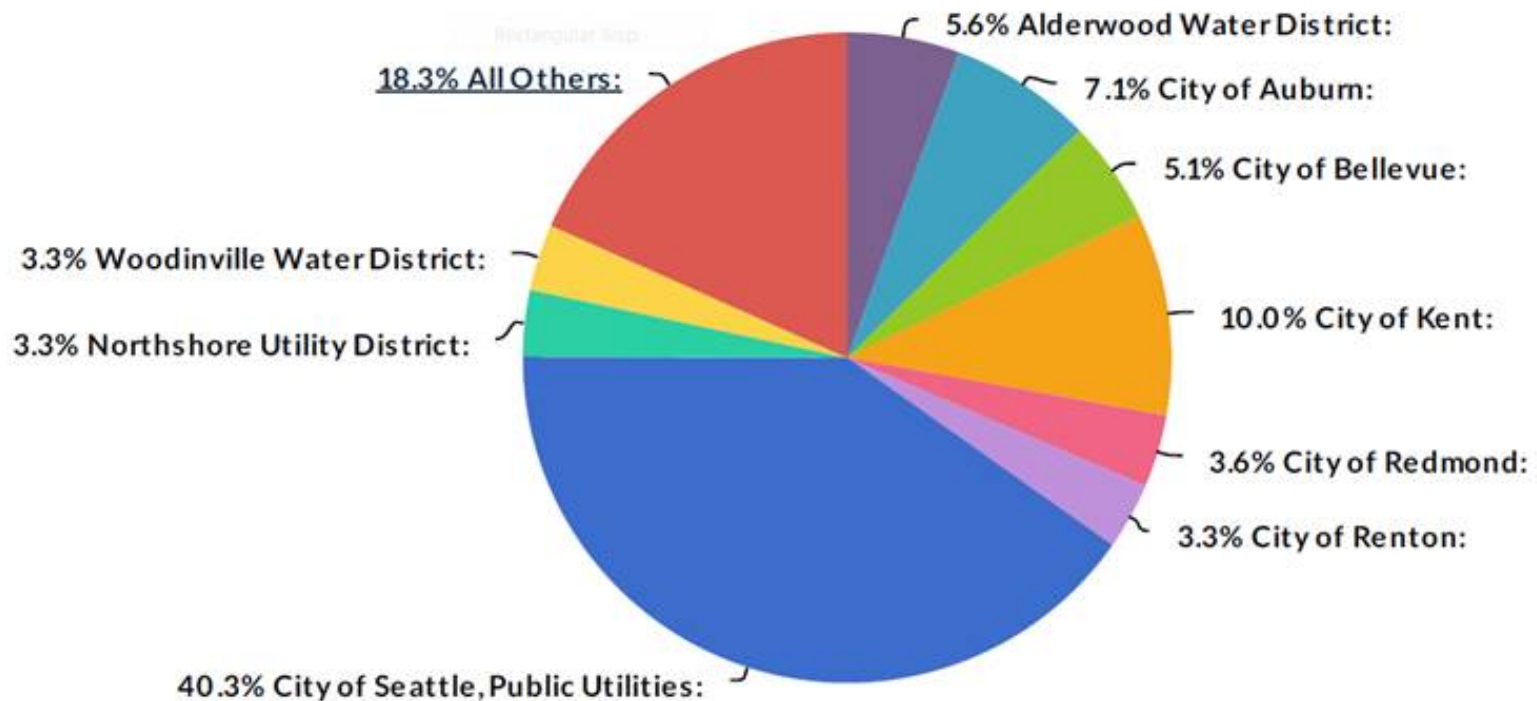
- Any industrial wastewater your business may send to the sanitary sewer must meet “discharge limitations” detailed in the King County Code and King County Local Discharge Limits. These can be found at: www.kingcounty.gov/environment/wastewater/IndustrialWaste/Limits.aspx.
- If you send certain hazardous wastes to a King County sanitary sewer you are required to notify King County, US EPA, and the Washington State Department of Ecology. By correctly filling out the required survey, we can help you determine your reporting requirements under federal, state and local regulations. You can learn more about this requirement at: www.kingcounty.gov/industrialwaste.

Preliminary results

- 6000 businesses responded
- 760 businesses discharge non-domestic wastewater (blue on graph). Includes:
 - A few businesses already permitted
 - Wastewater KCIW does not regulate (e.g. cooling water, boiler, cooling tower)
 - “Priority 3” business types that KCIW doesn’t regulate (e.g. auto body, medical clinics)
- KCIW will investigate “priority 1” business types that discharge first.



Half of dischargers indicated their water district



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Next
Step

Next Step: Report to Ecology

- Determine which businesses need to be regulated
- Submit Report to Ecology 2016
- Sort data, use for source control and share information with local agencies in 2017



Questions?

* For more information, contact:

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